1) RELEVANT COMMERCIAL INTERESTS DISCLOSED BY CME PLANNERS AND PRESENTERS
   Initial Report as of May 15, 2017

Use Adobe PDF "Find" option to search for specific name.
Presenter disclosures may continue on a successive page, or begin on a preceding page.

Agrawal, Rishi

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Speaker

Agustí, Alvar

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Almirall
Research Support
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Speaker
Advisory Committee
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Advisory Committee
Research Support
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Teva Pharmaceuticals USA, Inc.
Speaker
Advisory Committee
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharma AG
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Merck Sharp & Dohme Corporation
Advisory Committee
Research Support
Speaker
Agusti, Alvar

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Menarini
Speaker
Research Support

Akulian, Jason A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Veran Medical Technologies, Inc.
Advisory Committee
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Medtronic USA, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

FUJIFILM Medical Systems USA, Inc.
Consultant

Allada, Gopal

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Vertex Pharmaceuticals Incorporated
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Proteostasis Therapeutics Inc.
Consultant

Au, David H.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novartis Pharma AG
Data & Safety Monitoring Board

Bacharier, Leonard B.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GlaxoSmithKline, LLC.
Speaker
Advisory Committee
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Teva Pharmaceuticals USA, Inc.
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Merck Sharp & Dohme Corporation
Consultant
Bacharier, Leonard B.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- DBV Technologies
- Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Novartis Pharma AG
  - Speaker
  - Consultant
  - Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Boehringer Ingelheim b.v.
  - Speaker
  - Advisory Committee

Bakhru, Rita N.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Hill-Rom Company, Inc
  - Consultant

Balmes, John R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- California Air Resources Board
  - Board member of a state regulatory agency

Bates, Jason H.T.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Oscillavent, LLC (Iowa)
  - Advisory Committee
  - Stocks, Stock Options, or Other Equity Interests

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Variable ventilation as a diagnostic tool for assessing lung mechanical function.
  - PCT Application
  - Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Device and method for lung measurement. U.S. Patent application US 20160007882 A1
  - Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
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Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
  - Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Boehringer Ingelheim Pharmaceuticals, Inc.
  - Speaker
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<td>Roche</td>
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<td>Boehringer Ingelheim Pharma GmbH &amp; Co.KG</td>
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<td>Roche</td>
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<td>InterMune, Inc.</td>
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<td>Advisory Committee</td>
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Berend, Norbert

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GlaxoSmithKline, LLC.
Speaker
Employee of this company
Stocks, Stock Options, or Other Equity Interests

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim b.v.
Speaker

Berman, Andrew

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Meda Pharmaceuticals, Inc.
Advisory Committee

Bleck, Thomas P.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Edge Therapeutics
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Sage Therapeutics
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Zoll Corporation
Advisory Committee

Bleecker, Eugene R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

MedImmune, LLC
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim Pharmaceuticals, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Pfizer International LLC
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Genentech, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novartis Pharmaceuticals Corporation
Consultant
Bleecker, Eugene R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Roche Health Solutions Inc.
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- GlaxoSmithKline, LLC.
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Amgen Inc.
  Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- sanofi-aventis U.S. LLC
  Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Teva Pharmaceuticals USA, Inc.
  Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Senofi-Regeneron
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Knopp
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Vectura
  Consultant

Borg, Brigitte

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Wiley Blackwell Publishing
  Royalties

Boucher, Richard C.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Parion Sciences (Vertex Pharmaceuticals)
  Advisory Committee
  Consultant
  Company Owner or Board Member of this company
  Stocks, Stock Options, or Other Equity Interests
  Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Enterprise Therapeutics
  Stocks, Stock Options, or Other Equity Interests
  Company Owner or Board Member of this company
  Consultant
  Intellectual Property (e.g., a patent, copyrighted material, or other IP)
  Advisory Committee
**Boucher, Richard C.**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Pulmatrix
- Intellectual Property (e.g., a patent, copyrighted material, or other IP)
- Stocks, Stock Options, or Other Equity Interests
- Consultant
- Advisory Committee
- Company Owner or Board Member of this company

**Bowler, Russell**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- GlaxoSmithKline, LLC.
- Advisory Committee
- Research Support

**Boyle, Michael P**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Vertex Pharmaceuticals Incorporated
- Research Support

**Brahmer, Julie**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Bristol-Myers Squibb Company
  - Consultant
  - Research Support

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Celgene Corporation
  - Consultant

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Eli Lilly and Company
  - Consultant

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Merck Sharp & Dohme Corporation
  - Consultant
  - Research Support

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- MedImmune, LLC
  - Research Support

**Braman, Sidney**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Genentech, Inc.
  - Consultant
  - Speaker
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<th>Company/Position</th>
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<td>Kadence (a unit of Johnson &amp; Johnson)</td>
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<td>Biogen Idec Inc.</td>
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<td>Celgene Corporation</td>
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<td>Fibrogen</td>
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</table>
Brown, Kevin K.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Galecto
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GeNO
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Genoa
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Gilead Sciences Inc
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer HealthCare Pharmaceuticals Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
MedImmune, LLC
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Moerae
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharma AG
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Promedior
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Genentech, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Veracyte Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Aeolus
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Prometic
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Patara Pharmaceuticals
Consultant
Brown, Kevin K.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Third Pole
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

aTyr Pharma
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Galapagos
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Global Blood Therapeutics
Consultant

Calfee, Carolyn S.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GlaxoSmithKline, LLC.
Research Support
Advisory Committee
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim b.v.
Advisory Committee
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare Pharmaceuticals Inc.
Consultant

Calverly, Peter

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim Limited
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GlaxoSmithKline, LLC.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Research Support
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Recipharm
Research Support
Speaker
Camus, Philippe B.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Roche
Stocks, Stock Options, or Other Equity Interests

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer HealthCare Pharmaceuticals Inc.
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
ONXEO
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Data & Safety Monitoring Board

Casaburi, Richard

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Speaker
Research Support
Advisory Committee
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharmaceuticals Corporation
Advisory Committee
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Consultant
Advisory Committee
Speaker
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Astellas Pharma Inc
Consultant
Research Support

Celli, Bartolome R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Research Support
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Speaker
Advisory Committee
Celli, Bartolome R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Cipla
  Consultant

Chaisson, Neal Fruet

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Bayer HealthCare Pharmaceuticals Inc.
  Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Actelion Pharmaceuticals US, Inc.
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Gilead Sciences Inc
  Speaker

Channick, Colleen Lucy

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Medtronic, Inc.
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Olympus Corporation
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Actelion Pharmaceuticals US, Inc.
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Bayer HealthCare Pharmaceuticals Inc.
  Consultant

Cheifetz, Ira M.

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- Philips Electronics North America Corporation
  Advisory Committee

Christie, Jason D.

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- GlaxoSmithKline, LLC.
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Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Bristol-Myers Squibb Company
  Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Law firms for asbestos litigation.
  Expert Testimony
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<td></td>
<td>Speaker</td>
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<td>sanofi-aventis U.S. LLC</td>
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<td>Speaker</td>
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<td>F. Hoffmann-La Roche AG</td>
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<td>International GmbH</td>
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<td>Speaker</td>
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<td>Consultant</td>
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Cottin, Vincent

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Gilead Sciences Inc
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)

Culver, Daniel A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Mallinckrodt LLC
Advisory Committee
Speaker
Research Support

Araim
Consultant
Expert Testimony
Research Support

Gilead Sciences Inc
Research Support
Advisory Committee

Cypel, Marcelo

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Perfusix Canada and XOR Labs Toronto
Company Owner or Board Member of this company

Daley, Charles L.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Insmed, Inc
Research Support

Otsuka America Pharmaceutical, Inc.
Data & Safety Monitoring Board

Sanofi Pasteur Inc.
Data & Safety Monitoring Board

Danoff, Sonye K.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim Limited
Speaker
Research Support
Advisory Committee
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<th>Name</th>
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| Danoff, Sonye K. | Genentech/Roche  
 |               | Research Support  
 |               | Advisory Committee |
| Davis, Stephanie D. | Vertex Pharmaceuticals Incorporated  
 |               | Advisory Committee  
 | Parion Sciences (Vertex Pharmaceuticals) | Speaker  
 |               | Research Support  
 |               | Advisory Committee |
| de Perrot, Marc | Bayer HealthCare Pharmaceuticals Inc.  
 |               | Research Support |
| Desai, Tushar J. | Patent pending for multiplexed in situ hybridization technology  
 |               | Intellectual Property (e.g., a patent, copyrighted material, or other IP) |
| Deterding, Robin R. | Elsevier Publishing  
 |               | Intellectual Property (e.g., a patent, copyrighted material, or other IP)  
 | Patient IP on medical device for nasal esophagoscopy | Intellectual Property (e.g., a patent, copyrighted material, or other IP)  
 | Patent on medical monitoring device on the mobile phone. | Intellectual Property (e.g., a patent, copyrighted material, or other IP)  
 | Research Support |
|               | PCT Application - Title: Personalized Health Care Wearable Sensor System  
 |               | Intellectual Property (e.g., a patent, copyrighted material, or other IP) |
|               | Provisional Application - SYSTEMS AND METHODS FOR DETERMINING VITAL INFORMATION WITH A COMPUTING DEVICE  
 |               | Intellectual Property (e.g., a patent, copyrighted material, or other IP) |
|               | Provisional Application - Pediatric Nasal Endoscope  
 |               | Intellectual Property (e.g., a patent, copyrighted material, or other IP) |
Deterding, Robin R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- ListenMD
- Consultant
- Stocks, Stock Options, or Other Equity Interests

Detterbeck, Frank C.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Medela Inc.
  - Research Support
- Olympus Corporation
  - Data & Safety Monitoring Board

Diaz, Alejandro A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Novartis Pharma AG
  - Speaker

Dixon, Anne E.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Genentech, Inc.
  - Data & Safety Monitoring Board
- Vitaeris
  - Consultant

Donohue, James M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Gilead Sciences Inc
  - Data & Safety Monitoring Board
- Pearl Therapeutics
  - Data & Safety Monitoring Board
- Insmed, Inc
  - Data & Safety Monitoring Board
- Teva Pharmaceuticals USA, Inc.
  - Data & Safety Monitoring Board
- Novartis Pharma AG
  - Data & Safety Monitoring Board
- AstraZeneca Pharmaceuticals LP
  - Advisory Committee
Donohue, James M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Sunovion
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Theravance Biopharma Inc.
Advisory Committee

Ducharme, Francine

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharmaceuticals Corporation
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Merck Sharp & Dohme Corporation
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Takeda Pharmaceutical Company, Limited
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)

Eckert, Danny J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer HealthCare Pharmaceuticals Inc.
Consultant
Advisory Committee
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Oventus Medical
Consultant
Advisory Committee
Research Support

Escalante, Patricio

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Patent pending of laboratory methods for intellectual property protection purposes
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Evans, Scott E.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Pulmotect, Inc
Stocks, Stock Options, or Other Equity Interests
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Fabbri, Leonardo M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Consultant
Research Support
Speaker
Advisory Committee

Boehringer Ingelheim b.v.
Advisory Committee
Consultant
Research Support
Speaker

Chiesi USA, Inc.
Speaker
Research Support
Advisory Committee
Consultant

GlaxoSmithKline, LLC.
Advisory Committee
Consultant
Research Support
Speaker

Merck Sharp & Dohme Corporation
Speaker
Advisory Committee
Consultant
Research Support

Novartis Pharma AG
Advisory Committee
Consultant
Speaker
Research Support
Fabbri, Leonardo M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Takeda Pharmaceutical Company, Limited
Consultant
Speaker
Research Support
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Pearl Therapeutics
Speaker
Advisory Committee
Research Support
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Teva Pharmaceuticals USA, Inc.
Research Support
Speaker
Advisory Committee
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Dey Pharma
Advisory Committee
Speaker
Consultant
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
MundiPharma
Speaker
Research Support
Consultant
Advisory Committee

Fan, Eddy

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
St. Jude Medical, Inc.
Speaker

Feldman, Charles

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Aspen
Speaker
Feldman, Charles

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Pfizer Inc.
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Merck Sharp & Dohme Corporation
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novartis Pharma AG
Speaker

Feller-Kopman, David J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Veran Medical Technologies, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bectel Dickenson
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

CSA Medical
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Holaira, Inc.
Consultant

Ferguson, Gary T.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Pearl Therapeutics
Advisory Committee
Speaker
Research Support
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novartis Pharma AG
Advisory Committee
Research Support
Ferguson, Gary T.

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<td>Sunovion</td>
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<td>Speaker</td>
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<tr>
<td>Research Support</td>
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<tr>
<td>Consultant</td>
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Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Theravance Biopharma Inc.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Verona
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Research Support
Consultant
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Innoviva, Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Mylan Pharmaceuticals Inc.
Advisory Committee
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Meda Pharmaceuticals, Inc.
Consultant
Speaker

Ferkol, Thomas W.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Parion Sciences (Vertex Pharmaceuticals)
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Five United States and international patents
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Fingerlin, Tasha E.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Patent pending for "Methods for Predicting Risk of Interstitial Pneumonia"
Application number 14/813,559
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Fischer, Aryeh

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Actelion Pharmaceuticals US, Inc.
Consultant

aTyr Pharma
Consultant

Boehringer Ingelheim Pharmaceuticals, Inc.
Consultant

F. Hoffmann-La Roche AG
Consultant

Gilead Sciences Inc
Consultant

Flaherty, Kevin R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim Pharmaceuticals, Inc.
Consultant
Research Support

Genentech, Inc.
Consultant
Research Support

Gilead Sciences Inc
Data & Safety Monitoring Board

MedImmune, LLC
Consultant

Veracyte Inc.
Consultant

Hoffmann-La Roche Inc.
Research Support
<table>
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<tr>
<th>Name</th>
<th>Commercial Interest and Type(s) of Relationship with that Commercial Interest</th>
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</thead>
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| Flaherty, Kevin R.    | - InterMune, Inc.  
|                       |   Research Support  
|                       |   Consultant  
|                       | - Biogen Idec Inc.  
|                       |   Consultant  
|                       | - Afferent  
|                       |   Research Support  
|                       | - Aeolus  
|                       |   Consultant  
|                       | - PharmAkea Therapeutics  
|                       |   Consultant  
| Freishtat, Robert J. | - Adipomics, Inc.  
|                       |   Intellectual Property (e.g., a patent, copyrighted material, or other IP)  
|                       |   Company Owner or Board Member of this company  
| Fuhlbrigge, Anne L.  | - Adjudication committee for a large clinical trial evaluating the use of ICS/LABA in asthma  
| Garvey, Christine M. | - Boehringer Ingelheim b.v.  
|                       |   Speaker  
| Gern, James E.        | - Boehringer Ingelheim Pharmaceuticals, Inc.  
|                       |   Speaker  
|                       | - PREP Biopharma Inc  
|                       |   Consultant  
|                       | - Janssen Biotech, Inc.  
|                       |   Consultant  
|                       | - Regeneron Pharmaceuticals, Inc.  
|                       |   Advisory Committee  
|
Ghebre, Yohannes

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Altitude Pharma
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Company Owner or Board Member of this company
Advisory Committee
Stocks, Stock Options, or Other Equity Interests

Gordon, Stephen B.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Director of a Wellcome Trust Major Overseas Programme.
Advisory Committee

Gould, Michael K.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
UpToDate, Inc
Author

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Medial, Inc
Research Support

Grandner, Michael

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Fitbit
Expert Testimony
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
CurAegis
Advisory Committee

Groshong, Steve D.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Veracyte Inc.
Consultant

Gulati, Mridu

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Research Support
Advisory Committee

Gyetko, Margaret

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Mountain pass solutions
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Consultant
Han, MeiLan K.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim International GmbH
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharma AG
Consultant
Research Support
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Consultant

Hartert, Tina

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Regeneron Pharmaceuticals, Inc.
Consultant
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novavax
Consultant

Hemnes, Anna R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
United Therapeutics Corporation
Consultant
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Actelion Pharmaceuticals US, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer HealthCare Pharmaceuticals Inc.
Consultant
Henry, Travis

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Genentech, Inc.
- Employee of this company

Hershenson, Marc B.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- NOTA LABORATORIES, LLC
  - Stocks, Stock Options, or Other Equity Interests
  - Intellectual Property (e.g., a patent, copyrighted material, or other IP)
  - Company Owner or Board Member of this company

Herth, Felix J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Adboard Activities
- Research Support
- Advisory Committee
- Speaker

Herzog, Erica

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Bristol-Myers Squibb Company
  - Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Sanofi
  - Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Promedior
  - Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Karos
  - Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Kolltan
  - Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Navitor
  - Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Boehringer Ingelheim b.v.
  - Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Navitor
  - Advisory Committee
Highland, Kristin B.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Actelion Pharmaceuticals US, Inc.
Advisory Committee
Consultant
Speaker
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer HealthCare Pharmaceuticals Inc.
Research Support
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Speaker
Research Support
Consultant
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Gilead Sciences Inc
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
United Therapeutics Corporation
Speaker
Advisory Committee
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Genentech, Inc.
Speaker
Research Support

Hoeper, Marius M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Actelion Pharmaceuticals US, Inc.
Advisory Committee
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer HealthCare Pharmaceuticals Inc.
Speaker
Advisory Committee
Consultant
Hoeper, Marius M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Gilead Sciences Inc
  - Advisory Committee
  - Consultant
  - Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- GlaxoSmithKline, LLC.
  - Speaker
  - Advisory Committee
  - Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Merck Sharp & Dohme Corporation
  - Advisory Committee
  - Consultant
  - Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Pfizer Inc.
  - Consultant
  - Speaker
  - Advisory Committee

Hoffman, Eric A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- VIDA Diagnostics
  - Intellectual Property (e.g., a patent, copyrighted material, or other IP)
  - Stocks, Stock Options, or Other Equity Interests

Hopkins, Susan R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Boehringer Ingelheim Pharmaceuticals, Inc.
  - Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Bayer HealthCare LLC
  - Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- GE Healthcare
  - Stocks, Stock Options, or Other Equity Interests

Horowitz, Jeffrey C.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Boehringer Ingelheim Pharmaceuticals, Inc.
  - Research Support
Horsburgh, Robert

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- Janssen Pharmaceuticals, Inc
- Data & Safety Monitoring Board

Howell, Michael D.

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- UpToDate, Inc
  - Royalties

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- McGraw-Hill
  - Royalties

Hunninghake, Gary Matt

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- Genentech, Inc.
  - Advisory Committee

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- Gerson Lehrman Group
  - Advisory Committee

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- Medna LLC
  - Advisory Committee

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- Patients Like Me
  - Advisory Committee

Irvin, Charles G.

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- Medical Graphics Corporation
  - Advisory Committee

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- Methapharm
  - Advisory Committee

Jenkins, Gisli R.

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- GlaxoSmithKline, LLC.
  - Research Support
  - Advisory Committee

**Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**

- Biogen Inc.
  - Advisory Committee
  - Research Support
Jenkins, Gisli R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novartis Pharma AG
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Roche
Advisory Committee
Consultant
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim Pharma GmbH & Co.KG
Advisory Committee
Data & Safety Monitoring Board
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

PharmAkea Therapeutics
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

InterMune, Inc.
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Galecto
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Nuformix
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Pulmatrix
Consultant

Jett, James R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Oncimmune
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

UpToDate, Inc
Royalties

Jimenez, David

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare Pharmaceuticals Inc.
Speaker
Consultant
Jimenez, David

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim International GmbH
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bristol-Myers Squibb Company
Consultant
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Daiichi Sankyo Europe GmbH
Research Support
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
LEO Pharma Inc.
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Pfizer Pharma GmbH
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
sanofi-aventis U.S. LLC
Speaker

Johannson, Kerri A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Canada Ltd.Ltee
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Hoffmann-La Roche Limited
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
UCB Biosciences Inc.
Research Support

Johnston, Sebastian Lennox

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
UK patent application No. 0518425.4, 9 September 2005.
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
European Patent Number 1734987, 5 May 2010.
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Johnston, Sebastian Lennox

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Hong Kong Patent Number 1097181, 31 August 2010.
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

New Hong Kong - Divisional Patent Application No. 11100187.0, 10 January 2011.
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

European Patent Number 13305152, 4 April 2013.
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GlaxoSmithKline, LLC.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim Pharma GmbH & Co.KG
Consultant
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Synergen
Research Support
Stocks, Stock Options, or Other Equity Interests
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Aviragen
Consultant

Jones, Kirk D.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim International GmbH
Consultant

Judson, Marc A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Biogen Idec Inc.
Consultant

Kalhan, Ravi

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Consultant
Advisory Committee
Kalhan, Ravi

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Caremark
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- ModoSpira
  Consultant
  Stocks, Stock Options, or Other Equity Interests

Kaminska, Marta

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- VitalAire Inc.
  Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Biron Soins du Sommeil
  Speaker
  Consultant
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Philips Respironics, Inc.
  Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- ResMed Corp
  Research Support

Kaminski, Naftali

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Boehringer Ingelheim Pharmaceuticals, Inc.
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Biogen Idec Inc.
  Research Support
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Moerae
  Advisory Committee
  Stocks, Stock Options, or Other Equity Interests

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Qyuitza
  License of IP

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Pliant Therapeutics
  Consultant
  Stocks, Stock Options, or Other Equity Interests
Kaminski, Naftali

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Samumed
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Patent on use of thyroid hormone to treat pulmonary fibrosis
  Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Patent on 52 gene expression signature to predict outcome in IPF
  Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Kaminsky, David A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- MGC Diagnostics, Inc.
  Speaker

Kanne, Jeffrey P.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Parexel Informatics
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Genentech, Inc.
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- HealthMyne
  Consultant

Keith, Robert L.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Patent on use of prostacyclin analogues for the chemoprevention of cancer
  Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Boehringer Ingelheim b.v.
  Speaker

Kercsmar, Carolyn M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- GlaxoSmithKline, LLC.
  Data & Safety Monitoring Board

Kern, Ryan M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

- Olympus Corporation
  Consultant
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<td><strong>Kim, Victor</strong></td>
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| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | AstraZeneca Pharmaceuticals LP  
Consultant  
Advisory Committee |
| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | Gala Therapeutics  
Advisory Committee  
Consultant |
| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | ConCert Pharmaceuticals  
Advisory Committee  
Consultant |
| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | CSA Medical  
Consultant  
Advisory Committee |
| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | Medscape  
Peer Reviewer |
| **King, Gregory**  |                                                                                |
| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | Restech and Thorasys  
Research Support |
| **Kirtland, Steven H** |                                                                                |
| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | Medronic USA, Inc.  
Consultant |
| **Klooster, Karin** |                                                                                |
| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | PneumRx/BTG  
Speaker |
| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | PulmonX Inc.  
Speaker |
| **Kolb, Martin R.J.** |                                                                                |
| Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest | Boehringer Ingelheim Limited  
Speaker  
Consultant  
Advisory Committee  
Research Support |
Kolb, Martin R.J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Hoffmann-La Roche Inc.
Advisory Committee
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Prometic
Advisory Committee
Research Support

Kollef, Marin H.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Accelerate Diagnostics
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Allergan
Speaker
Consultant

Konstantinides, Stavros

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim Pharma GmbH & Co.KG
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare Pharmaceuticals Inc.
Research Support
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Pfizer Inc.
Advisory Committee

Kraft, Monica

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Teva Pharmaceuticals USA, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Chiesi USA, Inc.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

sanofi-aventis U.S. LLC
Research Support
Kraft, Monica

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Hoffmann-La Roche Inc.
Research Support
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Elsevier
Royalties for book I edited on asthma several years ago

Kreider, Maryl

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
MedImmune, LLC
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Gilead Sciences Inc
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Sanofi Sciences
Research Support

Kreuter, Michael

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
F. Hoffmann-La Roche AG
Speaker
Research Support
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim International GmbH
Consultant
Research Support
Speaker

Krishnan, Jerry A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Sanofi Pasteur Inc.
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
EMax Health
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
UpToDate, Inc
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
CVS Caremark
Consultant
Kuna, Samuel T.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Philips Respironics, Inc.
Research Support

Lahm, Tim

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer HealthCare Pharmaceuticals Inc.
Research Support
Speaker

Lakshminrusimha, Satyan

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Ikaria, Inc.
Speaker

Lamb, Carla R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boston Scientific
Consultant

Lareau, Suzanne C.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Pulmonary Functional Status & Dyspnea Questionnaire
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Lederer, David J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Roche/Genentech/Intermune
Consultant
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Gilead Sciences Inc
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
PharmAkea Therapeutics
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Veracyte Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Patara Pharmaceuticals
Consultant
Lederer, David J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Fibrogen
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Philips Respironics, Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Global Blood Therapeutics
Consultant

Lee, Y.C. Gary

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Rocket Medical UK
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Lung Therapeutics Ltd
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Research Support

Levy, Mitchell M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
ImmuneExpress
Research Support

Liang, Ni-Cheng

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Research Support

Lotvall, Jan

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Codiak Biosciences Inc
Employee of this company
Research Support
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Stocks, Stock Options, or Other Equity Interests
Advisory Committee

Lynch, David A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Parexel, Inc
Consultant
Lynch, David A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Genentech, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Veracyte Inc.
Consultant

Lynch, Susan V.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Siolta Therapeutics
Consultant
Stocks, Stock Options, or Other Equity Interests

MacIntyre, Neil R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Breathe Technologies
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Inspirx Pharmaceuticals
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Ventec
Consultant

Maher, Toby M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Research Support
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Genentech, Inc.
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Apellis Pharmaceuticals
Advisory Committee
Stocks, Stock Options, or Other Equity Interests
Maher, Toby M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

UCB Biosciences Inc.
Advisory Committee

Make, Barry J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim b.v.
Advisory Committee
Consultant
Speaker

AstraZeneca Pharmaceuticals LP
Research Support
Consultant
Advisory Committee

Theravance Biopharma Inc.
Advisory Committee

Sunovion
Speaker
Advisory Committee
Research Support

GlaxoSmithKline, LLC.
Advisory Committee

Baxalta
Data & Safety Monitoring Board

Forest
Consultant
Advisory Committee

Novartis Pharmaceuticals Corporation
Consultant
Advisory Committee

Spiration, Inc.
Data & Safety Monitoring Board

Verona
Advisory Committee
Make, Barry J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Various Medical Communication Companies
Speaker

Maksym, Geoffrey N.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Thorasys Thoracic Medical Systems Inc.
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)
Stocks, Stock Options, or Other Equity Interests
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Advisory Committee

Maldonado, Fabien

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Imbio
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Maltais, Francois

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Research Support
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Speaker
Consultant
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Nycomed
Research Support
Consultant
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharma AG
Consultant
Research Support
Speaker

Mannino, David M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Consultant
Research Support
Advisory Committee
Mannino, David M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharma AG
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Amgen Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Sunovion
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Mylan Pharmaceuticals Inc.
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Consultant
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Expert witness in legal cases on harm caused by tobacco smoking
Expert Testimony

Mansoori, Jason N.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Cheetah Medical
Research Support

Marshall, John C.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AKPA Pharma
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Spectral Medical
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Regeneron Pharmaceuticals, Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bristol-Myers Squibb Company
Advisory Committee
Martin, Thomas R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novartis Pharmaceuticals
Stocks, Stock Options, or Other Equity Interests
Employee of this company

Martinez, Fernando D.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Commense Inc
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Johnson&Johnson
Research Support

Martinez, Fernando J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Adept
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Afferent
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Research Support
Advisory Committee
Consultant
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare Pharmaceuticals Inc.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim b.v.
Advisory Committee
Consultant
Research Support
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bioscale/ProTerrix Bio
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Clarion
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

ConCert Pharmaceuticals
Consultant
Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Genentech, Inc.
Consultant

Gilead Sciences Inc
Research Support

GlaxoSmithKline, LLC.
Consultant
Data & Safety Monitoring Board
Research Support
Speaker

Ikaria/Bellerophon
Advisory Committee

Inthought Research
Consultant

Kadmon
Advisory Committee

Lucid
Consultant

Unity (Medical Leverage)
Consultant

Novartis Pharma AG
Speaker
Advisory Committee

Nycomed/Takeda
Speaker
Research Support

Pearl Therapeutics
Research Support
Advisory Committee

Chiesi USA, Inc.
Speaker
Martinez, Fernando J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Roche
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Stromedix/Biogen
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Sunovion
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Theravance Biopharma Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Veracyte Inc.
Advisory Committee
Research Support

Matthay, Michael A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Roche/Genentech
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Amgen Inc.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer HealthCare LLC
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Thesan Pharmaceuticals
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Quark Pharmaceuticals
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Cerus Therapeutics, Inc
Consultant
Mazzone, Peter J.

<table>
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<tbody>
<tr>
<td>Oncimmune</td>
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<td>Research Support</td>
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<td>InDi</td>
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<tr>
<td>Research Support</td>
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<td>Advisory Committee</td>
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<tr>
<td>Genentech, Inc.</td>
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<td>20/20 Genesystems</td>
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<td>Grail</td>
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<td>Advisory Committee</td>
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<td>Nucleix</td>
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<td>Advisory Committee</td>
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McCallister, Jennifer W.

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<tbody>
<tr>
<td>Reminger Co, LPA</td>
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<td>Expert Testimony</td>
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<td>Arnold Todaro, &amp; Welch</td>
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<td>Expert Testimony</td>
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McDonald, Vanessa

<table>
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<tr>
<td>GlaxoSmithKline, LLC.</td>
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<tr>
<td>Speaker</td>
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<td>Advisory Committee</td>
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<td>Menarini</td>
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<tr>
<td>Advisory Committee</td>
</tr>
<tr>
<td>Speaker</td>
</tr>
<tr>
<td>AstraZeneca Pharmaceuticals LP</td>
</tr>
<tr>
<td>Speaker</td>
</tr>
<tr>
<td>Advisory Committee</td>
</tr>
</tbody>
</table>
McDonald, Vanessa

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Novartis Pharma AG
  Advisory Committee
  Speaker

Metersky, Mark L.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Bayer HealthCare Pharmaceuticals Inc.
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Aradigm
  Research Support
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- EBSCO
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Grifols, S.A.
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Insmed, Inc
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Medical-legal consulting, none on behalf of or against pharma or device
  Expert Testimony

Meyer, Nuala J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Sobi, Inc
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Atherasys, Inc
  Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- GlaxoSmithKline, LLC.
  Research Support

Midthun, David

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Integrated Diagnostics
  Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Exact Sciences
  Research Support
Midthun, David

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

UpToDate, Inc
Royalties

Miravitles, Marc

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim b.v.
Speaker
Consultant
Advisory Committee

AstraZeneca Pharmaceuticals LP
Speaker
Advisory Committee

Chiesi USA, Inc.
Advisory Committee
Speaker

GlaxoSmithKline, LLC.
Advisory Committee

Novartis Pharma AG
Advisory Committee
Speaker

Moghanaki, Drew

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Varian Medical Systems
Speaker

Moller, David R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novartis Pharmaceuticals Corporation
Consultant

Sarcoidosis Diagnostic Testing LLC
Stocks, Stock Options, or Other Equity Interests
Company Owner or Board Member of this company
Employee of this company

Dicerna
Consultant
Moller, David R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Endocyte
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Merck Sharp & Dohme Corporation
Consultant

Monnet, Xavier

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Maquet GmbH
Consultant
Advisory Committee

Morrell, Mary J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
ResMed Corp
Research Support

Morrell, Nicholas W.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Morphogen-IX
Company Owner or Board Member of this company
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Research Support

Moy, Marilyn

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Consultant

Murphy, Patrick B.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Philips
Advisory Committee
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
ResMed Corp
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
B&D electromedical
Research Support

Murray, Lindsey

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Evidera
Employee of this company
Nambiar, Anoop M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Advisory Committee
Research Support
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Genentech, Inc.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
sanofi-aventis U.S. LLC
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
InterMune, Inc.
Advisory Committee
Consultant
Research Support
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)

Newth, Christopher

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Philips Research North America
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Covidien LP
Consultant

Nicolls, Mark R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Eiger Biopharmaceuticals
Stocks, Stock Options, or Other Equity Interests
Consultant
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

O'Connor, George T.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Janssen Pharmaceuticals, Inc
Research Support
O’Donnell, Anne

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare LLC
Speaker
Research Support
Consultant
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Xellia Inc
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Gilead Sciences Inc
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Aradigm
Advisory Committee
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Insmed, Inc
Advisory Committee
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Griffols
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Raptor Pharmaceuticals
Advisory Committee

O’Hare, Lanier

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Mallinckrodt LLC
Speaker

Olivier, Kenneth N.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Insmed, Inc
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Matinas Biopharma Holdings, Inc
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare Pharmaceuticals Inc.
Speaker
Orr, Jeremy Eliot

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
ResMed Corp
Transfers of value unrelated to service (e.g., honoraria, travel, drugs/equipment)

Osarogiagbon, Raymond

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Patent pending under review for lymph node specimen collection kit.
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Ost, David Edward

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Veran Medical Technologies, Inc.
Advisory Committee
Intuitive Surgical, Inc.
Consultant
Advisory Committee
Vidacare Corporation
Research Support

Palmer, Scott M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Patent on CMV immune monitoring assay in solid organ transplant
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Boehringer Ingelheim Pharmaceuticals, Inc.
Research Support
Gilead Sciences Inc
Research Support

Panitch, Howard B.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Philips Respironics, Inc.
Advisory Committee

Parsons, Polly E.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
UpToDate, Inc
Royalties

Parthasarathy, Sairam

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Patent on home breathing device
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
<table>
<thead>
<tr>
<th>Name</th>
<th>Commercial Interest and Type(s) of Relationship with that Commercial Interest</th>
</tr>
</thead>
</table>
| Patel, Bela  | Actelion Pharmaceuticals US, Inc.  
|              | Speaker  
|              | Research Support |
| Patel, Robin | The Medicines Company  
|              | Research Support |
|              | CD Diagnostics  
|              | Research Support |
|              | BioFire  
|              | Research Support |
|              | Check-Points  
|              | Research Support |
|              | Curetis  
|              | Research Support  
|              | Consultant  |
|              | 3M Company  
|              | Research Support |
|              | Merck Sharp & Dohme Corporation  
|              | Research Support |
|              | Hutchison Biofilm Medical Solutions  
|              | Research Support |
|              | Accelerate Diagnostics  
|              | Research Support |
|              | Allergan  
|              | Research Support |
|              | Roche  
|              | Consultant |
|              | Qvell  
|              | Consultant |
Patel, Robin

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Diaxonhit
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Patent on Bordetella pertussis/parapertussis PCR issued
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Patent on a device/method for sonication
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Patent on an anti-biofilm substance issued
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Actelion Pharmaceuticals US, Inc.
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
UpToDate, Inc
Consultant

Patel, Sanjay R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Medtronic, Inc.
Consultant

Pavord, Ian D.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Speaker
Consultant
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Consultant
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Aerocrine
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Almirall
Consultant
Advisory Committee
Pavord, Ian D.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharma AG
Consultant
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Consultant
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Genentech, Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Merck Sharp & Dohme Corporation
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Regeneron Pharmaceuticals, Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Dey Pharma
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Napp
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Respivert
Advisory Committee

Peikert, Tobias

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Imbio
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Pepin, Jean Louis

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
ResMed Corp
Research Support
Speaker
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<td>Research Support</td>
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<tr>
<td><strong>Fisher and Paykel</strong></td>
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<tr>
<td>Speaker</td>
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<tr>
<td><strong>AstraZeneca Pharmaceuticals LP</strong></td>
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<td>Speaker</td>
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<td><strong>SEFAM</strong></td>
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<td><strong>Agiradom</strong></td>
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<td>Speaker</td>
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<tr>
<td><strong>Teva Pharmaceuticals USA, Inc.</strong></td>
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<td>Speaker</td>
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<tr>
<td><strong>GlaxoSmithKline, LLC.</strong></td>
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<tr>
<td>Research Support</td>
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<tr>
<td><strong>Fondation de la recherche medicale</strong></td>
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<td>Research Support</td>
</tr>
<tr>
<td><strong>Direction de la recherche Clinique du CHU de Grenoble</strong></td>
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<td>Research Support</td>
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<td><strong>Fond de dotation Agir pour les maladies chroniques</strong></td>
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**Peters-Golden, Marc**

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<td>Intellectual Property (e.g., a patent, copyrighted material, or other IP)</td>
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**Petrache, Irina**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Allinaire, Inc
  - Company Owner or Board Member of this company
  - Research Support

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Intellectual Property for Adipose Progenitor Cell therapy
  - Intellectual Property (e.g., a patent, copyrighted material, or other IP)

**Pinkerton, Kent E.**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Phillip Morris International
  - Research Support

**Politi, Katerina**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Molecular MD
  - Patent on EGFR T790M mutation testing
  - Intellectual Property (e.g., a patent, copyrighted material, or other IP)

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- AstraZeneca Pharmaceuticals LP
  - Research Support

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Roche
  - Research Support

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Kolltan
  - Research Support

**Polkey, Michael I.**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Novartis Pharmaceuticals Corporation
  - Research Support
  - Consultant

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- GlaxoSmithKline, LLC.
  - Research Support

**Powell, Charles A.**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Genentech, Inc.
  - Consultant

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- Nucleix Ltd
  - Consultant
Powell, Charles A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Siemens
Consultant

Punjabi, Naresh M.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

ResMed Corp
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Philips Respironics, Inc.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

MediBio
Research Support

Raby, Benjamin A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

CureSpark Inc
Stocks, Stock Options, or Other Equity Interests
Company Owner or Board Member of this company

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

UpToDate, Inc
Editor

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Paraxel
Reader for clinical trials data analysis (Spouse)

Raghu, Ganesh

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim Pharmaceuticals, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Roche/Genentech
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Biogen Idec Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Degge group
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Fibrogen
Consultant
Raghu, Ganesh

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Gilead Sciences Inc
Consultant

Janssen Pharmaceuticals, Inc
Consultant

MedImmune, LLC
Data & Safety Monitoring Board

Promedior
Consultant

sanofi-aventis U.S. LLC
Consultant

Veracyte Inc.
Consultant

UCB Biosciences Inc.
Consultant

Bristol-Myers Squibb Company
Consultant

Patara Pharmaceuticals
Consultant

Rahman, Irfan

Research Projects to Department of Environmental Medicine at the University of Rochester, NY from Tobacco Extramural Research Programs from 2004-2007. All projects/ties ended since last ~10 years.

Rahman, Najib M.

Rocket Medical
Research Support
Consultant

Randell, Scott H.

AbbVie, Inc.
Research Support
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Redline, Susan S.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Jazz Pharma and Beckman Coulter
Research Support

Reiss, Theodore F.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Celgene Corporation
Stocks, Stock Options, or Other Equity Interests
Employee of this company

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Merck (Spouse)
Employee of this company
Stocks, Stock Options, or Other Equity Interests

Richeldi, Luca

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim International GmbH
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

F. Hoffmann-La Roche AG
Consultant
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Biogen Idec Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

sanofi-aventis U.S. LLC
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare LLC
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Cipla
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Pliant Therapeutics
Consultant

Riekert, Kristin A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Gilead Sciences Inc
Consultant
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<td>Speaker</td>
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<td>Advisory Committee</td>
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<td>Pfizer Inc.</td>
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<td>Consultant</td>
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Roche, Nicolas

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

MundiPharma
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Cipla
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Sandoz
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Teva Pharmaceuticals USA, Inc.
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GlaxoSmithKline, LLC.
Speaker
Advisory Committee
Consultant

Rochester, Carolyn L.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GlaxoSmithKline, LLC.
Advisory Committee

Rodriguez-Roisin, Robert

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Speaker
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim b.v.
Consultant

Roman, Jesse

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim b.v.
Research Support
Consultant
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Gilead Sciences Inc
Data & Safety Monitoring Board
Research Support
Consultant
Roman, Jesse

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Fibrogen
  Consultant
  Data & Safety Monitoring Board
  Research Support

Rossi, Santiago

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Philips Healthcare
  Advisory Committee

Rowe, Paul

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- sanofi Genzyme
  Medical Lead for Company

Schwartz, Alan R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- inSleep Health
  Research Support

- Resplicardia
  Consultant

- ImThera Medical Inc.
  Research Support

- Maxis
  Research Support

- RespEQ
  Stocks, Stock Options, or Other Equity Interests

- Discover Medical
  Stocks, Stock Options, or Other Equity Interests
Schwartz, Alan R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Under Armour
Stocks, Stock Options, or Other Equity Interests

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Itamar Medical
Stocks, Stock Options, or Other Equity Interests

Schwartz, David A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Eleven P15, Inc.
Employee of this company
Stocks, Stock Options, or Other Equity Interests
Company Owner or Board Member of this company
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

"Methods and Compositions for Risk Prediction, Diagnosis, Prognosis, and Treatment of Pulmonary Disorders". US Patent serial no: 8,673,565
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Schweickert, William D.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Hill-Rom Company, Inc
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Arjo Huntleigh
Consultant

Sciurba, Frank C.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

BTG International, Inc.
Consultant
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Pulmonx Corporation
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Boehringer Ingelheim b.v.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Spiration, Inc.
Research Support
Shah, Pallav L.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Broncus
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
CSA Medical
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Olympus Corporation
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Medtronic
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
PneumRX/BTG
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
PulmonX Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Imperial College (Industry Supported Course)
Speaker

Sharma, Sunil

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
ResMed Corp
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Actelion Pharmaceuticals US, Inc.
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Gilead Sciences Inc
Speaker

Shea, Barry S.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Genentech, Inc.
Consultant

Shore, Stephanie A.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Speaker
Sime, Patricia J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Pharmaceuticals, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
InterMune, Inc.
Data & Safety Monitoring Board (DSMB) organized by this company

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
UCB Biosciences Inc.
Consultant
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Third Rock Ventures
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Prometic
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Alkermes, Inc.
Advisory Committee

Sin, Don

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Speaker
Research Support
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Limited
Speaker
Research Support
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Merck Sharp & Dohme Corporation
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharmaceuticals Corporation
Advisory Committee
Singer, Mervyn

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Oxford Optronix
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Research Support

Deltex Medical
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Consultant

La Jolla Pharmaceutical
Advisory Committee

Singh, S. Dave

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novartis Pharma AG
Consultant
Speaker

AstraZeneca Pharmaceuticals LP
Advisory Committee
Consultant
Research Support
Speaker

Chiesi UK
Research Support
Speaker
Advisory Committee
Consultant

Boehringer Ingelheim International GmbH
Advisory Committee
Consultant
Speaker

GlaxoSmithKline, LLC.
Advisory Committee
Consultant
Speaker

Hoffmann-La Roche Limited
Consultant
Advisory Committee
Singh, S. Dave

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Skypharma
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Mundipharma
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Teva Pharmaceuticals USA, Inc.
Consultant
Speaker

Singh, Sally J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

NHS Trust owns the copyright to a self management manual for COPD
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Slebos, Dirk-Jan

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

PulmonX Inc.
Research Support
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

PneumRx/BTG
Research Support
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Holaira, Inc.
Research Support
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

CSA Medical
Research Support
Speaker

Slutsky, Arthur S.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Maquet Cardiopulmonary AG
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novalung/Xenio
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Baxter Healthcare
Consultant
Smith, Lewis J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Merck Sharp & Dohme Corporation
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Respiratory Disease Young Investigators' Forum

Solway, Julian

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Research Support

Specks, Ulrich

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Genentech, Inc.
Consultant

Spira, Avrum

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Veracyte Inc.
Consultant
Stocks, Stock Options, or Other Equity Interests

Starke, Jeffrey

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Otsuka Pharmaceutical Co., Ltd.
Data & Safety Monitoring Board

Stewart, Duncan J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Northern Therapeutics, United Therapeutics
Stocks, Stock Options, or Other Equity Interests
Company Owner or Board Member of this company
Employee of this company
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Stoller, James K.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Shire
Consultant
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
CSL Behring
Research Support
Advisory Committee
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  Grifols, S.A.  
  Consultant  
  Boehringer Ingelheim b.v.  
  Advisory Committee |
| Stoltz, David Anthony |  
  Exemplar Genetics  
  Intellectual Property (e.g., a patent, copyrighted material, or other IP) |
| Susanto, Irawan |  
  Cook Critical Care  
  Speaker |
| Sweet, Stuart |  
  Genentech, Inc.  
  Research Support |
| Tager, Andrew M. |  
  Biogen Inc.  
  Research Support  
  InterMune, Inc.  
  Research Support  
  Boehringer Ingelheim International GmbH  
  Research Support  
  PharmAkea Therapeutics  
  Advisory Committee  
  Blade Therapeutics  
  Consultant  
  Pliant Therapeutics  
  Advisory Committee |
Tal-Singer, Ruth

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GlaxoSmithKline, LLC.
Employee of this company
Stocks, Stock Options, or Other Equity Interests

Tanner, Nichole T.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Olympus Corporation
Research Support
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Cook Medical LLC
Research Support
Consultant

Tapson, Victor F.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Actelion Pharmaceuticals US, Inc.
Advisory Committee
Research Support
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare Pharmaceuticals Inc.
Data & Safety Monitoring Board
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Arena
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Reata
Research Support
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Gilead Sciences Inc
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

EKOS Corporation
Consultant
Speaker
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Inari Medical
Consultant
Research Support
Tapson, Victor F.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Daichi Sankyo Inc.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Janssen Pharmaceuticals, Inc
Research Support
Speaker
Consultant
Data & Safety Monitoring Board

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Portola
Research Support

Thomashow, Byron

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharma AG
Advisory Committee

Thompson, B. (Taylor) Taylor

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Alexion Pharmaceuticals, Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Asehi Kasei Corporation
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
DaVita
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Ferring Labs
Data & Safety Monitoring Board
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<td>Vertex Pharmaceuticals Incorporated Advisory Committee</td>
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Tino, Gregory

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Aradigm
  Advisory Committee
  Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Grifols Therapeutics Inc.
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Boehringer Ingelheim b.v.
  Advisory Committee

Toll, Benjamin

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Pfizer Inc.
  Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Litigation filed against the tobacco companies.
  Expert Testimony

Tomic, Rade

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Boehringer Ingelheim b.v.
  Speaker
  Research Support
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Genentech, Inc.
  Advisory Committee
  Speaker

Torres, Antonio

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Cretis
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Roche
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Janssen Pharmaceuticals, Inc
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Pfizer Inc.
  Speaker
Torres, Antonio

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer Inhale Global
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Motif Bio
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Paratek
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Arsanis
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AstraZeneca Pharmaceuticals LP
Research Support
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
GlaxoSmithKline, LLC.
Speaker

Vachani, Anil

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Veracyte Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Integrated Diagnostics
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Viomics
Research Support

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Janssen Research and Development
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
MagArray, Inc.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Ford Motor Company and Honeywell International
Expert Testimony

Vakulin, Andrew

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Cooperative Research Centre (CRC) for Alertness, Safety and Productivity
Intellectual Property (e.g., a patent, copyrighted material, or other IP)
Van Rikxoort, Eva

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Thirona
- Stocks, Stock Options, or Other Equity Interests
- Company Owner or Board Member of this company
- Employee of this company

Vanderveken, Olivier

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- SomnoMed Inc
  - Research Support
- Inspire Medical Systems
  - Research Support
- Revent
  - Research Support
- Nyxoah
  - Research Support
- Nyxoah
  - Consultant
- Philips Electronics
  - Consultant

Vece, Timothy J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- UpToDate, Inc
  - Royalties

Ventetuolo, Corey E.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Actelion Pharmaceuticals US, Inc.
  - Advisory Committee
  - Research Support
- Bayer HealthCare Pharmaceuticals Inc.
  - Consultant
- Maquet Cardiovascular
  - Consultant
- United Therapeutics Corporation
  - Consultant
Vercelli, Donata

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Johnson & Johnson Health Care Systems Inc.
Research Support

Vieillard-Baron, Antoine

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GE Healthcare
Speaker

Vogelmeier, Claus

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Almirall
Speaker
Advisory Committee

AstraZeneca Pharmaceuticals LP
Advisory Committee
Speaker
Research Support

Boehringer Ingelheim International GmbH
Speaker
Advisory Committee

Chiesi USA, Inc.
Advisory Committee
Speaker

Cipla
Advisory Committee
Speaker

GlaxoSmithKline, LLC.
Advisory Committee
Speaker
Research Support

Grifols Biologicals, Inc.
Speaker
Research Support
Consultant
Vogelmeier, Claus

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Novartis Pharma AG
  Advisory Committee
  Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Takeda Pharmaceutical Company, Limited
  Advisory Committee
  Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Teva Pharmaceuticals USA, Inc.
  Speaker
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Mundipharma
  Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Menarini
  Advisory Committee
  Speaker

Vokes, Everett

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- AbbVie, Inc.
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Amgen Inc.
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- AstraZeneca Pharmaceuticals LP
  Advisory Committee

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- Bristol-Myers Squibb Company
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Boehringer Ingelheim b.v.
  Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
- Celgene Corporation
  Advisory Committee

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- Eli Lilly and Company
  Advisory Committee
Vokes, Everett

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Genentech, Inc.
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Merck Sharp & Dohme Corporation
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Synta
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
VentiRX
Advisory Committee

von Mutius, Erika

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
ViforPharma
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Novartis Pharma SAS
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Astellas Pharma Europe Ltd.
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
OM Pharma
Consultant
Speaker

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HAL Allergie GmbH
Consultant
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Mundipharma Deutschland GmbH & Co. KG
Speaker
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
AbbVie Deutschland GmbH & Co. KG
Consultant
Speaker
Walkey, Allan

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UpToDate, Inc
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Walsh, Simon

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim Limited
Advisory Committee
Speaker

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Hoffmann-La Roche Limited
Speaker

Wang, Tisha

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Theravance Biopharma Inc.
Advisory Committee

Weaver, Terri E.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Regent Medical
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

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ImThera Medical Inc.
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

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Philips Respironics, Inc.
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

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Res Med Germany
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

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Balance Therapeutics
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Nyxoah
Intellectual Property (e.g., a patent, copyrighted material, or other IP)

Wechsler, Michael E.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Teva Pharmaceuticals USA, Inc.
Consultant

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AstraZeneca Pharmaceuticals LP
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**Wechsler, Michael E.**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- **Sentien**
  - Consultant

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- **Amgen Inc.**
  - Consultant

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**Wedzicha, Jadwiga A.**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- **Novartis Pharma AG**
  - Advisory Committee
  - Speaker

- **Boehringer Ingelheim b.v.**
  - Advisory Committee
  - Speaker

- **AstraZeneca Pharmaceuticals LP**
  - Speaker
  - Advisory Committee

- **GlaxoSmithKline, LLC.**
  - Advisory Committee
  - Research Support
  - Speaker

- **Chiesi USA, Inc.**
  - Speaker

- **Johnson&Johnson**
  - Advisory Committee
  - Research Support

- **Takeda Pharmaceutical Company, Limited**
  - Research Support

- **OM Pharma**
  - Research Support

---

**Wells, Athol U.**

*Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest*

- **InterMune, Inc.**
  - Speaker
  - Consultant
  - Advisory Committee
Wells, Athol U.

- **Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**
  - **Boehringer Ingelheim b.v.**
    - Speaker
    - Advisory Committee
  - **Roche Health Solutions Inc.**
    - Advisory Committee
    - Consultant
    - Speaker
  - **Bayer HealthCare Pharmaceuticals Inc.**
    - Advisory Committee
    - Speaker

Welte, Tobias

- **Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**
  - **Biotest Pharmaceuticals Corporation**
    - Advisory Committee
    - Speaker

White, David P.

- **Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**
  - **Philips Respironics, Inc.**
    - Consultant
  - **Night Balance**
    - Consultant

Wijsenbeek, Marlies

- **Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**
  - **Boehringer Ingelheim b.v.**
    - Advisory Committee
    - Speaker
  - **F. Hoffmann-La Roche AG**
    - Speaker
    - Research Support
    - Advisory Committee

Wilkins, Martin R.

- **Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest**
  - **Bayer HealthCare Pharmaceuticals Inc.**
    - Advisory Committee
    - Speaker
    - Data & Safety Monitoring Board
Wilkins, Martin R.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GlaxoSmithKline, LLC.
Speaker
Data & Safety Monitoring Board
Advisory Committee

Winthrop, Kevin L.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Insmed, Inc
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare LLC
Consultant

Witek, Theodore J.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Innoviva, Inc.
Employee of this company

Woodruff, Prescott G.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Genentech, Inc.
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

AstraZeneca Pharmaceuticals LP
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Roche Diagnostics Corporation
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Novartis Pharma AG
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Sanofi
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Regeneron Pharmaceuticals, Inc.
Advisory Committee

Wunderink, Richard G.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Pfizer Inc.
Data & Safety Monitoring Board
Wunderink, Richard G.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Actelion Pharmaceuticals US, Inc.
   Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Cepheid
   Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

bioMerieux
   Consultant
   Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Visterra
   Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

The Medicines Company
   Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Cempra
   Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Merck Sharp & Dohme Corporation
   Advisory Committee
   Research Support

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Genentech, Inc.
   Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

GenMark Diagnostics, Inc.
   Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Arsanis
   Research Support
   Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Global Blood Therapeutics
   Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Bayer HealthCare Pharmaceuticals Inc.
   Research Support
   Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest

Vertex Pharmaceuticals Incorporated
   Data & Safety Monitoring Board
Wunderink, Richard G.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Shionogi Inc
Consultant
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Nabriva
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Accelerate Diagnostics
Advisory Committee

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Polyphor
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Inflarex
Consultant

Yunt, Zulma

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Boehringer Ingelheim b.v.
Speaker

Zamanian, Roham T.

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Selten
Consultant
Stocks, Stock Options, or Other Equity Interests

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
United Therapeutics Corporation
Consultant
Research Support

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Bayer HealthCare Pharmaceuticals Inc.
Consultant

Name of Commercial Interest and Type(s) of Relationship with that Commercial Interest
Jump 1
Consultant
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Disclosure Summary for CME Learners

Addendum of May 19, 2017

1. CME PLANNERS AND PRESENTERS DISCLOSING RELEVANT COMMERCIAL INTERESTS:

Disclosures are listed by company name followed by type of relationship, in the order reported by discloser.

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Bayer Healthcare, Research Support
United Therapeutics, Research Support

DANIEL STERMAN
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Spiration, Consultant
Ethicon Endo-Surgery, Consultant
Pinnacle Biologics, Consultant
FKD Therapies-Trizell, Inc., Research Support
Advantagene, Research Support

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Paresh Giri
Kenneth Lyn-Kew
Robert Matthew Kottmann
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