

Neil M. Bressler, MD The James P. Gills Professor of Ophthalmology – Chief, Retina Division 600 North Wolfe Street, Maumenee 752-A Baltimore, Maryland 21287-9277 Administrative Office: 1-410-955-8342 Fax: 1-410-955-0845 nmboffice@jhmi.edu

To Whom It May Concern:

#### **Clinical Faculty**

J. Fernando Arévalo, M.D. Mary Beth Aronow, M.D. Christopher Brady, M.D. Neil M. Bressler, M.D. Susan B. Bressler, M.D. Peter A. Campochiaro, M.D. Daniel Finkelstein, M.D. Peter L. Gehlbach, M.D., Ph.D. Morton F. Goldberg, M.D. James T. Handa, M.D. Catherine B. Meverle, M.D. Hendrik Scholl, M.D. Adrienne Scott M D Sved Mahmood Shah, M.D. Mandeep Singh, M.D., Ph.D Akrit Sodhi, M.D., Ph.D. Sharon D. Solomon, M.D. Adam Wenick, M.D., Ph.D. Ingrid Zimmer-Galler, M.D.

#### The Johns Hopkins Hospital

600 N. Wolfe Street Maumenee 205 Baltimore, MD 21287-9277 1-410-955-3518 phone 1-410-955-0869 fax 1-866-4WILMER toll free (1-866-494-5637 toll free) retina@jhmi.edu

#### Bel Air

620 Boulton Street Bel Air, MD 21014 1-410-893-0480 phone 1-410-893-9796 fax

#### Bethesda

7315 Wisconsin Avenue West Tower, Suite 610 Bethesda, MD 20814 1-240-482-1100 phone 1-240-482-1105 fax

#### Columbia

10700 Charter Drive Suite 205 Columbia, MD 21044-3629 1-410-910-2330 phone 1-410-910-2393 fax

#### Frederick

87 Thomas Johnson Drive Suite 102 Frederick, MD 21702-4301 1-301-620-9268 phone 1-301-620-9228 fax

#### **Green Spring Station**

10753 Falls Rd Pavilion 2, Suite 455 Lutherville, MD 21093-4543 1-410-583-2800 phone 1-410-583-2842 fax We would like to offer you the opportunity to support the 30th Annual Current Concepts in Ophthalmology Meeting to be held at the Johns Hopkins University School of Medicine in Baltimore, Maryland, November 30 - December 2, 2017. We expect an attendance of approximately 150 physicians. If you would like to exhibit at this activity, an exhibit fee of \$2,500 would entitle you to a six-foot table top display. Johns Hopkins University School of Medicine follows all ACCME guidelines for commercial support. Please visit the course website for more details: https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=10762.

This Current Concepts course will highlight the recent developments regarding diagnosis as well as medical and surgical therapy of common eye diseases. The participant should get a comprehensive review of the most current concepts in the management of ophthalmology by experts across the breadth of the field. For example, clinical trials and other evidence in the peer-reviewed literature over the past few years have changed the approach to managing cataract including IOL technology and femtosecond laser cataract surgery, corneal disease including dry eye disease, keratoplasty, and collagen cross linking, glaucoma and minimally invasive glaucoma surgical devices, as well as diabetic retinopathy, macular degeneration, and retinal vein occlusions. Furthermore, the role of optical coherence tomography (OCT) and other imaging advances are expanding the understanding of the anatomy of the anterior and posterior segment of the eye. This course will address the ongoing pattern of registrants with repeat requests for demonstrations of the latest surgical techniques and medical therapies, questions regarding practice management issues and clarification of legislative updates. There is a demand for expert education of new techniques and medical therapies as well as the need for elucidation of associated clinical trials, and this course provides extensive coverage of that.

We look forward to your consideration and funding of this educational meeting. We believe this activity is a worthwhile educational endeavor that will meet the needs of ophthalmologists by providing information that is current, relevant, and clinically useful to their practices.

The Johns Hopkins University is a 501(c)3 non-profit organization and our Tax ID # is 52-0595110. All checks for exhibit fees must be payable to the Johns Hopkins University and sent to 12529 Collections Center Drive, Chicago, IL 60693 along with an Exhibitor Booth Agreement. Please be sure to reference course #80043729 so that the monies are deposited in the appropriate account. More information is available on the Exhibitor Booth Agreement.

Please contact Kathy Case in the CME office at <u>kcase5@jhmi.edu</u> if you are interested in exhibiting at this conference to receive the Exhibitor Booth Agreement and further directions.

Please mark your calendars for our upcoming 35th Annual Current Concepts in Ophthalmology Meeting in Vail, CO from March 11-16, 2018, <u>https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=10918.</u>

Sincerely,

Neil M Bush

Neil M. Bressler, MD The James P. Gills Professor of Ophthalmology Johns Hopkins University School of Medicine Chief, Retina Division – Wilmer Eye Institute

www.wilmer.jhu.edu Main Telephone: 1-410-955-3518 or toll free 1-866-4WILMER (1-866-494-5637) • email: retina@jhmi.edu 24 hour page: 1-410-283-2000

## BALTIMORE

# PROGRAM

# Thursday, November 30, 2017

| 7:00 - 8:00  | Registration and Continental Breakfast   |
|--|--|
| 7:00 - 6:00  | Exhibits Open  |
| 8:00 - 8:15  | Welcome and Conference Goals<br>Neil Bressler, MD  |
| Anterior Segment<br>Chair: Yassine Daou                  | d, MD  |
| 8:15 - 8:30  | <b>Descemet Membrane Endothelial Keratoplasty (DMEK) and Beyond</b><br>Albert Jun, MD, PhD   |
| 8:30 - 8:45  | <b>Surgical Outcome of Femtosecond Laser Assisted Cataract Surgery</b><br><b>vs. Conventional Phacoemulsification</b><br>Yassine Daoud, MD |
| 8:45 - 9:00  | <b>Current Concepts on Pediatric Corneal Surgery</b><br>Christina Prescott, MD, PhD  |
| 9:00 - 9:15  | <b>Herpes Keratopathies</b><br>David Gritz, MD, MPH  |
| 9:15 - 9:30  | <b>The Cornea in Parkinson's Disease</b><br>Robert Weinberg, MD  |
| 9:30 - 9:45  | Ocular Surface Tumors Update<br>Donald Stone, MD   |
| 9:45 - 10:00   | <b>Therapies for Ocular Surface Inflammation</b><br>Samuel Yiu, MD, PhD  |
| 10:00 - 10:30  | Refreshment Break  |
| <b>Refractive Surgery</b><br><i>Chairs:</i> Kraig Scot B | ower, MD and Christina Prescott, MD, PhD   |
| 10:30 - 10:45  | Small Incision Lenticule Extraction (SMILE)<br>Kraig Scot Bower, MD  |
| 10:45 - 11:00  | Corneal Collagen Crosslinking Update   |

- Uri Soiberman, MD
- 11:00 11:15Scleral-Sutured Intraocular LensesFasika Woreta, MD, MPH

| 11:15 - 12:00 | Challenging Cases   |
|---------------|---|
|               | Kraig Scot Bower, MD, Uri Soiberman, MD, and Fasika Woreta, MD, MPH |

#### 12:00 - 1:00 Lunch

# The David Worthen Memorial Lecture

| 1:00 - 1:05 | Introduction: The David Worthen Lecture*                                   |
|-------------|--|
|             | Christina Prescott, MD, PhD  |
|             | *This session is not eligible for AMA PRA Category 1 Credits <sup>TM</sup> |
|             |  |

1:05 - 1:30 The David Worthen Lecture: Talk Title - TBD Speaker - TBD

### Uveitis

Chair: Bryn Burkholder, MD

| 1:30 - 2:45 | <b>Case Present</b> | tations and Discussion    |
|-------------|---------------------|---------------------------|
|             | Case Order:         | Meghan Berkenstock, MD    |
|             |                     | Bryn Burkholder, MD       |
|             |                     | Ashvini Reddy, MD         |
|             |                     | Jennifer Thorne, MD, PhD  |
|             |                     | Irfan Khan, MD            |
|             |                     | Eric Crowell, MD          |
|             |                     | Amde Shifera, MD, MS, PhD |

2:45 - 3:15 **Refreshment Break** 

**Neuro-ophthalmology** *Chair:* Timothy McCulley, MD

| 3:15 - 3:30 | <b>Diplopia: Practical Tips</b><br>Amanda Henderson, MD                     |
|-------------|---|
| 3:30 - 3:45 | <b>Practical Tips for Unexplained Vision Loss</b><br>Andrew Carey, MD       |
| 3:45 - 4:00 | <b>Overview of the Qrk207 NAION Trial</b><br>Neil Miller, MD                |
| 4:00 - 4:15 | <b>Indirect Traumatic Optic Neuropathy</b><br>Eric Singman, MD, PhD         |
| 4:15 - 4:30 | <b>The Congenital Cranial Dysinnervation Disorders</b><br>Thomas Bosley, MD |

## The Joseph Smiddy Memorial Lecture

| 4:30 - 4:35 | Introduction: The Joseph Smiddy Memorial Lecture*                          |
|-------------|--|
|             | Neil Bressler, MD  |
|             | *This session is not eligible for AMA PRA Category 1 Credits <sup>TM</sup> |

| 4:35 - 5:00                     | <b>The Joseph Smiddy Memorial Lecture:</b><br><b>Important Clinical Pearls from the DRCR Network</b><br>Jennifer Sun, MD, MPH                 |
|---------------------------------|---|
| 5:00 - 6:00                     | Welcome Reception   |
| Friday, December 1,             | 2017  |
| 7:30 - 8:00                     | Continental Breakfast   |
| 7:30 - 5:00                     | Exhibits Open   |
| Retina<br>Chairs: Peter Gehlbac | ch, MD, PhD and Mira Sachdeva, MD   |
| 8:00 - 8:15                     | <b>The Comprehensive Ophthalmologist and Pediatric Retina</b><br>Kim Jiramongkolchai, MD  |
| 8:15 - 8:30                     | Management of Proliferative Diabetic Retinopathy in the 21st Century:<br>Not Just PRP<br>Susan Bressler, MD                                   |
| 8:30 - 8:45                     | <b>Telemedicine and Tele-ophthalmology at Johns Hopkins</b><br>Ingrid Zimmer-Galler, MD   |
| 8:45 - 9:00                     | <b>Update on Retinal Stem Cell Clinical Trials</b><br>Mandeep Singh, MD, PhD  |
| 9:00 - 9:15                     | <b>Relevance of Preferences for Treatment in Vitreoretinal Diseases</b><br>Adrienne Scott, MD   |
| 9:15 - 9:30                     | <b>Central Serous Chorioretinopathy - Dogma Debunked</b><br>Catherine Meyerle, MD   |
| 9:30 - 9:45                     | <b>Cooperative Management of the Complicated Lens</b><br>Peter Gehlbach, MD, PhD  |
| 9:45 - 10:00                    | <b>Update on Management of Diabetic Macula Edema</b><br>Neil Bressler, MD   |
| 10:00 - 10:30                   | Refreshment Break   |
| The Mahlon Barlow               | Memorial Lecture  |
| 10:30 - 10:35                   | Introduction: Mahlon Barlow Lecture*<br>Peter Gehlbach, MD, PhD<br>*This session is not eligible for AMA PRA Category 1 Credits <sup>TM</sup> |
| 10:35 - 11:00                   | <i>The Mahlon Barlow Memorial Lecture:</i><br><b>Challenges of Hereditary Retinal Diseases</b><br>Mark Pennesi, MD, PhD                       |

**Oculoplastics Surgery** *Chair:* Timothy McCulley, MD

| 11:00 - 11:15 | <b>Orbital Trauma: Cutting Edge and Practical Tips</b><br>Roxana Fu, MD   |
|---------------|---|
| 11:15 - 11:30 | <b>Cosmetic Oculoplastic Surgery: Cutting Edge and Practical Tips</b><br>Ashley Campbell, MD  |
| 11:30 - 11:45 | <b>Update on Lid Tumors 2017</b><br>Shannath Merbs, MD, PhD   |
| 11:45 - 12:15 | OculoplasticsClinical ChallengesModerator:Timothy McCulley, MDPanel:Ashley Campbell, MD, Roxana Fu, MD,<br>Nicholas Mahoney, MD, and Shannath Merbs, MD, PhD, |
| 12:00 - 1:15  | Lunch   |

Pediatric Ophthalmology

Chairs: Megan Collins, MD and Michael Repka, MD

| 1:15 - 1:30 | <b>Optics Pearls and Pitfalls in Strabismus</b><br>David Guyton, MD |
|-------------|---|
| 1:30 - 1:45 | <b>Vision Screening / Vision for Baltimore</b><br>Megan Collins, MD |
| 1:45 - 2:00 | <b>Updates from PEDIG</b><br>Michael Repka, MD                      |
| 2:00 - 2:15 | <b>Challenges of Pediatric Glaucoma</b><br>Courtney Kraus, MD       |
| 2:15 - 2:30 | Questions and Discussion  |
| 2:30 - 3:00 | Refreshment Break   |
| 3:00 - 4:30 | Glaucoma Smackdown 2017<br>Moderator: Henry Jampel, MD              |

## The Ernst Bodenheimer Memorial Lecture

| 4:30 - 4:35 | Introduction: Ernst Bodenheimer Lecture*                                   |
|-------------|--|
|             | Henry Jampel, MD   |
|             | *This session is not eligible for AMA PRA Category 1 Credits <sup>TM</sup> |
|             |  |

4:35 - 5:00 *The Ernst Bodenheimer Memorial Lecture:* **Talk Title - TBD** Anne Coleman, MD

# Saturday, December 2, 2017

- 7:30 8:00 Registration and Continental Breakfast
- 7:30 10:30 Exhibits Open

# **CONCURRENT SESSIONS**

# Socioeconomic Session

*Chairs:* David Glasser, MD and John Thompson, MD Thomas B. Turner Auditorium

| 8:00 - 8:05               | Welcome and Session Goals<br>Johns Thompson, MD  |  |
|---------------------------|--|--|
| 8:05 - 8:35<br><b>the</b> | What are Young Ophthalmologists Concerned About and How Can  |  |
|                           | AAO/MSEPS Help?Moderator:John Thompson, MDPanel:David Baranano, MD, PhD, Mary Louise Collins, MD,<br>Sanjay Goel, MD, F. Lawson Grumbine, MD,<br>D. Chimene Richa, MD, and Shameema Sikdar, MD |  |
| 8:35 - 8:45               | <b>Physician Burnout: What Are the Causes and How Can It Be Treated?</b><br>Speaker - TBD  |  |
| 8:45 - 8:55               | How are CPT Procedure Codes Created and Valued by Medicare? –<br>A Primer about the AMA CPT and RUC Committees<br>Cherie McNett  |  |
| 8:55 - 9:05               | <b>Episode Groupers – A First Look at How You May be Paid for<br/>Medical Care in the Future</b><br>David Glasser, MD  |  |
| 9:05 - 9:15               | <b>The Carrot and the Stick: Understanding the MIPS Quality</b><br><b>Scorecards for Physicians</b><br>Michael Repka, MD   |  |
| 9:15 - 9:25               | Scope of Practice Update, Maryland and Beyond<br>Lee Snyder, MD  |  |
| 9:25 - 9:35               | <b>Behind the Chaos in Washington – What We Might Expect from</b><br><b>Federal Healthcare Legislation in 2018 – 2021</b><br>Catherine Cohen, MHSA, CAE  |  |
| 9:35 - 9:45               | Questions and Answers<br>David Glasser, MD and Nancey McCann   |  |
| 9:45 - 10:15              | Refreshment Break  |  |

# **Optometric Session**

*Chair:* Elliott Myrowitz, OD, MPH Tilghman Auditorium

| 8:00 - 8:15  | Acanthamoeba Keratitis<br>Richard Schoen, OD   |
|--------------|--|
| 8:15 - 8:30  | <b>Adenoviral Conjunctivitis</b><br>Elliott Myrowitz, OD, MPH                            |
| 8:30 - 8:45  | Artifical Cornea Patient Management<br>Karen Dunlap, OD                                  |
| 8:45 - 9:00  | Questions and Answers  |
| 9:00 - 9:15  | <b>Macular Pigment Optical Density, Is Supplementation Indicated?</b><br>Jack Prince, OD |
| 9:15 - 9:30  | <b>Carotid-Cavernous Fistula, Presenting as Diplopia</b><br>Gayle LePosa, OD             |
| 9:30 - 9:45  | <b>Cornea Warpage and Dry Eye Disease</b><br>Lindsay Ciocco, OD                          |
| 9:45 - 10:15 | Refreshment Break  |

## **GENERAL SESSION**

Turner Auditorium

| 10:15 - 10:45 | <b>Medicare and Ophthalmology in 2017 and Beyond</b><br>George Williams, MD   |
|---------------|---|
| 10:45         | Adjourn<br>You will receive an email notification to complete the evaluation form and<br>to attest to the number of hours in attendance.<br>The registration desk will remain open during conference hours. |
| 10:45 - 11:30 | AAO Update Relevant to Ophthalmologists -in -Training*<br>George Williams, MD<br>*This session is not eligible for AMA PRA Category 1 Credits™  |
|               |   |

# The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.

This schedule is subject to change.



# Outlets Needed:

#### EXHIBIT BOOTH AGREEMENT

The Wilmer Eye Institute's 30<sup>th</sup> Annual Current Concepts in Ophthalmology Thomas B. Turner Building, Johns Hopkins University School of Medicine, Baltimore, Maryland

| - |          | •                    |           |          |  |
|---|----------|----------------------|-----------|----------|--|
|   | November | <b>30-December</b> 2 | 2, 2017 * | 80043729 |  |

| COMPANY:                             | CONTACT NAME:               |  |
|--------------------------------------|-----------------------------|--|
| ADDRESS:                             |                             |  |
| СІТУ:                                | STATE:                      |  |
| PHONE:                               | FAX:                        |  |
| EMAIL:                               | <b>DISPLAY FEE:</b> \$2,500 |  |
| NAME AND EMAIL OF REPRESENTATIVES TO | O BE PRESENT AT CONFERENCE: |  |
| REP 1:                               | REP 1 EMAIL:                |  |
| REP 2:                               | <b>REP 2 EMAIL:</b>         |  |
|                                      |                             |  |

Exhibitor representatives who would like to attend educational sessions are required to register separately for the conference.

#### Exhibit space includes: One 6'x30" table and 2 chairs will be provided.

Exhibits will be held at the Turner Concourse. Access to the exhibit area will be available for set-up on November 30, 2017 beginning at 6:30 a.m. Registration will begin at 7:00 a.m. Due to lack of storage space, please do not ship display to arrive prior to November 28, 2017. It is your company's responsibility to make arrangements with a courier service to have the display picked up immediately following the last day of the activity.

Shipments should be addressed as follows:

Receiving Dock, Johns Hopkins University School of Medicine 1721 East Madison Street Baltimore, MD 21205-2195 ATTN: Kathy Case PLEASE HOLD FOR THE Current Concepts in Ophthalmology CONFERENCE, held November 30-December 2, 2017.

I agree to abide by the ACCME Standards for Commercial Support:

**Specifically 4.2 states:** "Product-promotion material or product-specific advertisement of any type is prohibited in or during CME activities. The juxtaposition of editorial and advertising material on the same products or subjects must be avoided. Live (staffed exhibits, presentations) or enduring (printed or electronic advertisements) promotional activities must be kept separate from CME." "For live, face-to-face CME, advertisements and promotional materials cannot be displayed or distributed in the educational space immediately before, during, or after a CME activity. Providers cannot allow representatives of Commercial Interests to engage in sales or promotional activities while in the space or place of the CME activity." (Refer to ACCME standards at <a href="https://www.accme.org">www.accme.org</a>)

It is the Johns Hopkins Medicine policy that faculty and staff, employees, students, trainees, and volunteers may not accept gifts or entertainment, regardless of value, from pharmaceutical companies or medical device manufacturers or suppliers with respect to any activity at any JHM member organization site and any activity conducted under the auspices of or using the name of any JHM member organization. This policy extends to all exhibitors of this activity. To adhere to this policy no pens, pads, candy, etc. may be offered at your exhibit table.

By signing below the above company acknowledges and agrees to the following (1) The required exhibit fee is for the sole purchase of exhibit space and two complimentary registrations for exhibiting personnel. These personnel must complete and submit a registration form prior to the activity. (2) If more than two personnel wish to attend they must register separately and pay the full registration fee. (3) Payment is required by the company prior to the activity. (4) Each of the costs subsidized by the fee is incremental to the exhibit space and not standard institutional or organizational overhead, and (5) any payment to exhibit is not intended to influence planning of any CE/CME activity or interfere with presentations at any associated CE/CME activity.

PRINT OR TYPE NAME

AUTHORIZED SIGNATURE

DATE

#### CHECK MUST BE MADE PAYABLE TO The Johns Hopkins University/80043729

Johns Hopkins University Federal Tax ID: 52 0595110

Kindly return this form with payment **upon receipt** to Kathy Case, Conference Coordinator, Johns Hopkins University, Office of Continuing Medical Education, Johns Hopkins University Central Lockbox, Bank of America, 12529 Collections Center Drive, Chicago, IL 60693.

Kathy Case PHONE: 410-614-0150FAX: 443-224-9540Email: kcase5@jhmi.eduProgram information will be available at <a href="www.Hopkinscme.edu">www.Hopkinscme.edu</a> three months prior to activity.

INVOICE Invoice Number: 80043729 Date:

## The Wilmer Eye Institute's 30<sup>th</sup> Annual Current Concepts in Ophthalmology November 30-December 2, 2017 \* 80043729 Thomas B. Turner Auditorium, Johns Hopkins University School of Medicine, Baltimore, Maryland

| TO:<br>FOR:<br>AMOUNT:<br>DUE:   | Company Name<br>Exhibit Fee<br>\$ 2,500<br>Payment is due 5 business days prior to start of activity.<br>The Johns Hopkins University Federal Tax ID: 52 0595110<br><b>NOTE: Activity budget number</b> <u>80043729</u> <b>on the check.</b>  |
|--|---|
|  |   |
| <u>PAYMENT TYPE</u> :  |   |
| [ ]CHECK PAYABLE TO:   | The Johns Hopkins University/80043729   |
| [ ]Via WIRE TRANSFER<br>TO JOHNS HOPKINS:<br>BANK NAME:<br>ACCOUNT NAME:<br>ACCOUNT NUMBER:<br>ABA NUMBER:<br>REFERENCE: | Bank of America<br>Johns Hopkins University Central Lockbox<br>003936830516<br>052001633<br>Continuing Medical Education; 80043729; Company Name  |
| []CREDIT CARD:   | []VISA []MASTERCARD []DISCOVER []AMEX   |
|  | Card #Exp. Date   |
| MAIL TO:   | Name on Card       Signature and Date         Kathy Case, CME Conference Coordinator         The Johns Hopkins University School of Medicine         Office of Continuing Medical Education         Johns Hopkins University Central Lockbox         Bank of America         12529 Collections Center Drive         Chicago, IL 60693 |

| 2       Business name/disregarded entity name, if different from above         JHU School of Medicine       3       Check appropriate box for federal tax classification; check only one of the following seven boxes:<br>ingle-member LLC <ul> <li>Individual/sole proprietor or</li> <li>C Corporation</li> <li>S Corporation</li> <li>Partnership</li> <li>Trust/estate</li> <li>Basiness name/disregarded, do not check LLC; check the appropriate box in the line above for<br/>the tax classification of the single-member owner.</li> <li>Other (see instructions) ►</li> <li>501(c)non-stock Corporation</li> <li>Part II</li> </ul> <ul> <li>Part II</li> <li>Certification</li> </ul> <ul> <li>Certification</li> <li>S Colar security number</li> <li>Social security number</li></ul>   |                                      | Johns Hopkins University   |                   |        |                        |  |                    |                                |                                   |                    |                |
|---|--------------------------------------|--|-------------------|--------|------------------------|--|--------------------|--------------------------------|-----------------------------------|--------------------|----------------|
| JHU School of Medicine         3 Check appropriate box for federal tax classification; check only one of the following seven boxes:       4 Exemptions (codes apply only to instructions on page 3):         Bigle-member LLC       Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) >       4 Exemptions (codes apply only to instructions on page 3):         Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for text classification of the single-member owner.       Code (if any)         W Other (see instructions) >       501(c)non-stock Corporation       Requester's name and address (optional)         12529 Collection Center Drive       6 Chicago IL 60693       Chicago IL 60693         7 List account number(s) here (optional)       Social security number         Exemptions, response of the single-member of the single-member owner.       Social security number         0 Chicago IL 60693       7 List account number(s) here (optional)       Social security number         Partition of the single-member to enter.       Social security number       -         0 Filter of the single-member to enter.       Social security number       -         0 Chicago IL 60693       -       -       -       -         0 Chicago IL 60693       -       -       -       -       -         0 Chicago IL 600693       -       -   | oi                                   | 2 Business name/disregarded entity name, if different from above   |                   |        |                        |  |                    |                                |                                   | -                  |                |
| 0 To be one of the state o                                     |                                      | JHU School of Medicine   |                   |        |                        |  |                    |                                |                                   |                    |                |
| Chicago IL 60693     T List account number(s) here (optional)     Part I Taxpayer Identification Number (TIN) Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see How to get a TIN on page 3. Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.     Social security number     So           | rint or type<br>Instructions on      | Individual/sole proprietor or single-member LLC       C Corporation       S Corporation       Partnership         Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership         Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the tax classification of the single-member owner.         ✓ Other (see instructions) ►       501(c)non-stock Corporation | )►<br>e line abov | ve for | Ex<br>Ex<br>CO<br>(Ap) | truction<br>empt pa<br>emption<br>de (if a<br>palies to ac | ayee of n from ny) | not i<br>page<br>code<br>n FAT | indivi<br>3):<br>(if any<br>TCA r | dual<br>y)<br>epor | s; see<br>ting |
| Chicago IL 60693     T List account number(s) here (optional)     Part I Taxpayer Identification Number (TIN) Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see How to get a TIN on page 3. Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.     Social security number     So           | ecifi                                |  | equester's        | nam    | e and                  | addres   | s (opt             | ional                          | 1                                 |                    |                |
| Chicago IL 60693     T List account number(s) here (optional)     Part I Taxpayer Identification Number (TIN) Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see How to get a TIN on page 3. Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.     Social security number     So           | Sp                                   |  |                   |        |                        |  |                    |                                |                                   |                    |                |
| Social security number         7 List account number(s) here (optional)         Part I       Taxpayer Identification Number (TIN)         Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see How to get a TIN on page 3.       Social security number         Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.       Or  | æ                                    | 6 City, state, and ZIP code  |                   |        |                        |  |                    |                                |                                   |                    |                |
| Part I       Taxpayer Identification Number (TIN)         Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see How to get a TIN on page 3.       Social security number         Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.       or  | S                                    | Chicago IL 60693   |                   |        |                        |  |                    |                                |                                   |                    |                |
| Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see How to get a <i>TIN</i> on page 3. Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.  Social security number Social security num |                                      | 7 List account number(s) here (optional)   |                   |        |                        |  |                    |                                |                                   |                    |                |
| The first first international proprietion of the proprietion of the proprietion of the proprietion of the proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see How to get a TIN on page 3. Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter. <b>Or Employer identification number Employer identification number Or Example 1</b>  | Par                                  | t I Taxpayer Identification Number (TIN)   |                   |        |                        |  |                    |                                |                                   |                    |                |
|   | backu<br>reside<br>entitie<br>TIN of | up withholding. For individuals, this is generally your social security number (SSN). However, for<br>ent alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other<br>es, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a</i><br>n page 3.  | or                |        |                        | -  |                    | -[                             |                                   |                    |                |
| 5 2 - 0 5 9 5 1 1 0   |                                      |  | or En             | ipioy  | eride                  | nunca  | ion n              | unb                            |                                   |                    | _              |
| Part II Certification   | guide                                | lines on whose number to enter.  | 5                 | 2      | -                      | 0 5  | 9                  | 5                              | 1                                 | 1                  | 0              |
|   | Par                                  | t II Certification   |                   |        |                        |  |                    |                                |                                   |                    |                |

Under penalties of perjury, I certify that:

- 1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- 3. I am a U.S. citizen or other U.S. person (defined below); and
- 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank,

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3

| Sign Signature of U.S. person ► | Date► (-13.12 |
|---------------------------------|---------------|
|---------------------------------|---------------|

#### **General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted. Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

#### **Purpose of Form**

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

Form 1099-INT (interest earned or paid)

- · Form 1099-DIV (dividends, including those from stocks or mutual funds)
- · Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- · Form 1099-S (proceeds from real estate transactions)
- · Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- · Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),

2. Certify that you are not subject to backup withholding, or

3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and

 Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See What is FATCA reporting? on page 2 for further information.