

Department of Pediatrics
PEDIATRIC FELLOWSHIP NEWSLETTER

Winter 2015

Pediatrics.URMC.edu/fellowships



Pediatric Infectious Diseases: Accomplishments in Research

"The fellows are a tremendous addition to our division. They invigorate us with their curiosity and continually impress us with their motivation, skills, and productivity."

~ Mary Caserta, M.D., Fellowship Director

The Pediatric Infectious Diseases Fellowship Program has sustained funding for nearly 20 years on an NIH T32 training grant awarded to Frank Gigliotti, M.D., Division Chief and Lindsey Distinguished Professor for Pediatric Research. This support provides fellows with rigorous basic research experience, inspires personal growth, and leads to substantial contributions in the field of pediatric infectious diseases.

Current fellows, Drs. Katherine Ebsworth-Mojica, Zachary Hoy, and Brenda Tesini show promising careers as investigators illustrated through their numerous accomplishments as fellows.



From left: Drs. Zachary Hoy, Katherine Ebsworth-Mojica, Frank Gigliotti, and Brenda Tesini

Awards

2013-14 Clausen Fellowship Award, Strong Children's Research Center

- Zachary Hoy, M.D.
- Brenda Tesini, M.D.

Travel Award, Infectious Diseases Research Careers Meeting, NIAID/IDSA

- Brenda Tesini, M.D.

Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Infectious Diseases Fellows Program Award, American Society for Microbiology, Washington, DC

- Brenda Tesini, M.D.

Publications and Presentations

Perlmutter J, Forbes L, Krysan D, **Ebsworth-Mojica K**, Colquhou J, Wang J, Dunman P, Flaherty D. "Repurposing the Antihistamine Terfenadine for Antimicrobia Activity against Staphylococcus aureus," *J. Med. Chem.* 2014, 57, 8540–8562.

Hoy Z and **Tesini B**. (2013). Pneumocystosis. In K.C. Gamble and M.M. Clancy (Eds.), *Infectious Diseases of Concern to Captive and Free Ranging Animals in North America* (2nd ed., p. 1098) Yulee, FL: Infectious Disease Committee, American Association of Zoo Veterinarians.

Hoy Z, Dodds-Ashley ES, Weinberg GA, Krysan DJ. "The Pediatric Infectious Diseases Consultant: Voriconazole Therapeutic Drug Monitoring." *Journal of Pediatric Infectious Diseases Society*.

Tesini BL, Malone JE, Wright TW, Gigliotti F. "A Novel Pneumocystis Vaccine Candidate Provides Sterilizing Immunity in Murine Model of Pc Pneumonia." 54th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Washington, DC. 2014. Poster presentation.

Tesini B, Epstein L, Caserta M. "Clinical Impact of Primary Infection with Roseoloviruses." *Curr Opin Virol.* 2014, 9:91-96.

For more information please visit the [Pediatric Infectious Diseases Fellowship](#) website.



Fariba Rezaee, M.D. **Advancing Research in the Department of Pediatrics**

[Fariba Rezaee, M.D.](#), a 2011 graduate of our Pediatric Pulmonology Fellowship Program, has contributed significantly to research in the Department of Pediatrics, and received departmental support for her endeavors since fellowship. As a fellow, Dr. Rezaee received a competitive NIH T32 grant led by Department Chair, Nina Schor, M.D., Ph.D., in addition to two Bradford Fellowship awards. Upon completion of her training, Dr. Rezaee joined Pediatrics faculty and was selected to receive funding from Dr. Schor's K12 grant to further her research career.

Recently, Dr. Rezaee was awarded her own K08 award from NIH. Dr. Rezaee's research focuses on regulation of the airway epithelial barrier, one of the new frontiers in mucosal biology. Respiratory syncytial virus (RSV) is the most common cause of children hospitalization worldwide. Her recent findings highlight a new molecular mechanism linking RSV and airway epithelial barrier dysfunction; her findings continue to enhance our understanding of the associations between respiratory viral infections, airway inflammation, and allergen sensitization. Dr. Rezaee has published 13 original journal articles, review papers, and a book chapter to date, many co-authored by her longtime mentor, URM Professor [Steve Georas, M.D.](#)

Our Fellows' Commitment to ICARE Values

The following pediatric fellows are recent Strong Stars, recognized by patients, families, and colleagues for their exceptional commitment to patient and family-centered care.





Stephen Lambrinos, M.D., M.B.A. (First Year, Cardiology)

"Thanks for everything! I knew I could count on your visit every day to check in on me and the baby. Thanks for cheering and doing a Happy dance when she finally broke. YAY!"



Jayson Lingan, M.D. (Second Year, Neonatal-Perinatal Medicine)

"Jason, your expert line placement skills did not go unnoticed. I just wanted to recognize your skills and thank you for being such an essential part of our NICU team! Three successful PSC lines in three hours, amazing!"

Fellows Offer Insight to Residents Making Career Decisions

Last year, we hosted the first ever "Fellowship Symposium" for our second year pediatric and medicine-pediatric residents as part of their R2 Skills Block. Pediatric fellows and junior faculty shared their personal insights about why they decided on subspecialty training and discussed a number of topics:

- Career lifestyle ("the life of a subspecialist")
- Career Opportunities
- Application/Interview Process
- Board Requirements (e.g. SOCs, scholarly activity)

This year, we have an opportunity to meet with smaller groups allowing the sessions to be more individualized and better address specific questions from residents. Thank you to the fellows and junior faculty that have participated. A special thank you goes to second-year fellow, Sean Frey M.D., and fellow alumni Katherine Greenberg, M.D. and Stephen Tomek, M.D. for facilitating. We look forward to two **upcoming sessions: February 6 and March 6.**

Did You Know?

New Feature in *Pediatrics* - Diagnostic Dilemmas and Clinical Reasoning

In January 2015, *Pediatrics*®, the official journal of the American Academy of Pediatrics, is debuting a new feature called Diagnostic Dilemmas and Clinical Reasoning (DDCR). The journal is currently soliciting potential cases for this new feature. Since fellows are often involved in interesting cases, this is a great opportunity to gain experience in manuscript writing and submission. [Author guidelines](#)

Resource for Funding Opportunities

[Pivot](#) is an online tool that identifies funding opportunities across all disciplines and connects them to interested researchers. It provides access to national and international opportunities of both public and private sponsors. Users can set up automated/customized alerts and perform searches.



CTSI is housed in the Saunders Research Building.

Resource for Research Help

A service of the Clinical & Translational Research Institute (CTSI), the [Research Help Desk](#) offers a range of resources and services to support each stage of research development and operations. For specific questions, email ResearchHelp@urmc.rochester.edu. The Help Desk also provides one-on-one and multi-disciplinary consultations depending on the researcher's needs.

ACGME Pediatric Subspecialty Milestones: a New Evaluation Tool

Starting last fall, the Clinical Competency Committee (CCC) of each fellowship program uses the [Pediatric Subspecialty Milestones](#) to assess each trainee's clinical competency. According to the ACGME, milestones are "designed for programs to use in semi-annual review of fellow performance and reporting to the ACGME. Milestones are knowledge, skills, attitudes, and other attributes for each of the ACGME competencies organized in a developmental framework from less to more advanced. The Pediatrics Subspecialty Milestones are designed to describe changes in observable attributes of the learner across the continuum of medical education from residency through fellowship into practice."

American Board of Pediatrics' Requirements

Upon completion of fellowship training, the ABP requires fellows to submit a written **Work Product** such as: a peer-reviewed publication in which a fellow played a substantial role; an extramural grant application that has either been accepted or favorably reviewed; an in-depth manuscript describing a completed project; a thesis or dissertation written in connection with the pursuit of an advanced degree; a progress report for projects of exceptional complexity, such as a multi-year clinical trial. In addition, each fellow must write a **Personal Statement** describing the scholarly activity, his/her role in the project and how it relates to their career plans.

Visit the [ABP website](#) for more information.

Important Dates

Fellowship Scholarly Research (1st year fellows)

- **February 1, 2015**
Scholarly research project proposals due for review by Dr. Schor
- **March 31, 2015**
Applications due for the department Dean's Fellow Program

Fellow Grand Rounds – *Save the Date!*

A special grand rounds event, where a selection of third-year fellows present their research.

- **April 21, 2015**
Rochester General Hospital
- **April 22, 2015**
University of Rochester Medical Center

Chair's Fellows Meetings

Luncheon and roundtable discussion for fellows led by Dr. Nina Schor, Chair of the Department of Pediatrics, and/or Dr. Patricia Chess, Vice Chair of Education.

12:00 – 1:00pm, Kaiser Room (4-2546)

- **February 2, 2015**
- **March 30, 2015**
- **June 9, 2015**

Seasonal Fun!

Rochester's Artistic Side

A visit to [ARTISANworks](#) is a truly unique experience. The 40,000 square foot space features an eclectic mix of paintings, sculpture, and photography by a wide range of artists. Visit resident artist studios and workshops, shop the gallery's collection, and be sure to check out the Marilyn Monroe Room and the rooftop garden (weather permitting!).

Lucky for us, world renowned contemporary dance troupe [Garth Fagan Dance](#) is based in Rochester and performs here regularly. Now in its 44th year, Garth Fagan Dance has been hailed by *The New York Times* as "unfailingly original." Artistic Director Garth Fagan, the Tony award winning choreographer best known for the Lion King, also teaches and inspires offering dance classes to children and adults.

Embrace the Season!

The [Cumming Nature Center](#) located in Naples, NY, is a 900-acre living museum worth a visit any time of the year. In the winter months, cross-country skiers enjoy 15 miles of groomed trails and snowshoers travel on a dedicated 3-mile loop trail. You can rent skis or snowshoes at a reasonable price so no need to own.

Current Fellows & Alumni – Please send us your news!

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