



# Spectroscopy Society of Pittsburgh

## January Meeting

Wednesday – January 20, 2016  
held at Duquesne University



- 5:30 PM** Technology Forum Speaker's Presentation – **Power Center Ballroom Section C**  
**5:30 PM** Social Hour – **Power Center Fides Shepperson Suite**  
**6:45 PM** Dinner – **Power Center Ballroom Section C**  
**8:00 PM** Business Meeting – **Power Center Ballroom Section C**  
**8:15 PM** Technical Program Speaker's Presentation – **Power Center Ballroom Section C**

Deadline for Dinner Reservations: Wednesday, January 13 at 12:00 noon

<http://www.ssp-pgh.org/> and click on SSP Monthly Meeting "More Info" link

### Dinner Reservations:

Please register on-line at [http://www.ssp-pgh.org](http://www.ssp-pgh.org/) to make dinner reservations **NO LATER THAN Wednesday, January 13, 2016 at noon**. Dinner will cost **\$10** (\$5 for students) and checks must be made payable to the SSP. This month's entrées will be **Lobster Tail OR Lentil Curry**. If you have any dietary restrictions, please indicate them when you RSVP.

### Parking:

The Duquesne University Parking Garage is located on Forbes Avenue. Upon entering the garage, receive parking ticket and drive to upper floors. Pick up a parking chit at the dinner or meeting.

## TECHNOLOGY FORUM - 5:30 PM

**JoAnne Flynn**

**Center for Vaccine Research**

### “Tuberculosis and Immunity”

My primary interest is in the interaction of pathogens with the host, with special emphasis on the immune mechanisms that protect against or exacerbate disease. Our focus is on *Mycobacterium tuberculosis*, the organism responsible for tuberculosis, which causes 2 million deaths per year worldwide. We are investigating the immune responses required for protection against tuberculosis, and the effect of these immune responses on both the host and the bacterium. We specifically study cytokine production, macrophage activation, and T cell subsets (CD4+ and CD8+ T cells) that are important in tuberculosis.

### Biography



JoAnne Flynn obtained her PhD from University of California at Berkeley in Microbiology and Immunology in 1987, where she studied the pathogenesis of cystic fibrosis isolates of *Pseudomonas aeruginosa* under Dr. Dennis Ohman. Dr. Flynn's first post-doc was with Dr. Magdalene So at the Scripps Clinic Research Institute in La Jolla, California, developing on Salmonella vaccine vectors against various parasitic diseases. In 1990, she joined the lab of Dr. Barry Bloom at the Albert Einstein College of Medicine, as a Howard Hughes Research Associate, where she began her studies in tuberculosis. Dr. Flynn joined the faculty of the Department of Molecular Genetics and Biochemistry (now Microbiology and Molecular Genetics) at the University Of Pittsburgh School Of Medicine in 1994. She was promoted to Associate Professor in 2000 and to Full Professor in 2006. Dr. Flynn has been a member of the Interdisciplinary Graduate Programs for 19 years, and was Director of the Molecular Virology and Microbiology Graduate Program for 5 years. She is also the Program Director on an NIH T32 Training Grant. She has numerous grants from NIH and the Bill and Melinda Gates Foundation, among others. She was an Editor at Infection and Immunity from 2004-2014 and is currently a Section Editor for PLOS Pathogens. She has served on numerous grant review study sections, on committees for national organizations, and is currently a member of Council for the American Association of Immunologists (AAI), and a Fellow of the American Academy of Microbiologists. She has published over 150 papers, and collaborates with scientists worldwide. Her research in tuberculosis is focused on immunology, host-pathogen interactions, vaccines, drugs, and animal models, and she has developed and used the non-human primate as a model for TB over the past 15 years.



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### **TECHNICAL PROGRAM - 8:15 PM**

**Mr. Ron Baillie**

**The Henry Buhl, Jr., Co-Director**

**Carnegie Science Center**

**Ms. Ann Metzger**

**Co-Director**

**Carnegie Science Center**

### **“Carnegie Science Center – Today and the Future”**

#### **Biography**

Ron Baillie has served Carnegie Science Center as a Henry Buhl, Jr. Co-Director, along with Ann Metzger, since 2009. He has enjoyed a distinguished career with Carnegie Science Center, and its predecessor organization Buhl Science Center, for more than 30 years. He began his museum career as Director of Science Programs and later became Director for Exhibits, Programs, and Technical Services. In this capacity he led the development of the new exhibits and educational programs for Carnegie Science Center when it opened in 1991. Since then he has served as Assistant Director for Education, followed by Director of Education, and then Interim Museum Director in 2003 and 2008. In 2012-13, he also served as Interim Co-Director of Carnegie Museum of Natural History.



Prior to working with the Science Center, Mr. Baillie spent five years as Curriculum and In-Service Specialist for Math and Science for the Allegheny Intermediate Unit, a consortium of 43 school districts in western Pennsylvania that develops and conducts educational in-service math, science, and technology programs. Mr. Baillie also was a founding member of the Pittsburgh Regional Center for Science Teachers, which facilitates curriculum-enhancing connections between science teachers and resources. As well, he served on the Steering Council of the Regional Math Science Collaborative from 1995-2004.

Mr. Baillie was selected as the 2001 Pittsburgh Man of the Year in Education by Vectors-Pittsburgh, presents regularly at the Association of Science-Technology Center conference and other regional and national science and technology programs and events.

Ann Metzger has served Carnegie Science Center as Henry Buhl, Jr. Co-Director, along with Ron Baillie, since 2009. Ms. Metzger joined Carnegie Museums of Pittsburgh in 2006 as Director of Marketing and Community Affairs at Carnegie Science Center. Later she took on the additional role of Vice President of Marketing for Carnegie Museums of Pittsburgh for several years. In 2012-13, she took on additional responsibilities as Interim Co-Director of Carnegie Museum of Natural History.

Ms. Metzger began her career as a language arts teacher. Before joining Carnegie Museums of Pittsburgh, Ms. Metzger served more than 25 years at the University of Pittsburgh Medical Center, where she was Director of Corporate Communications, responsible for advertising, marketing communications, and community education and outreach. Ms. Metzger holds a bachelor's degree from West Virginia University and completed graduate work at Carnegie Mellon University's H. John Heinz School of Public Policy and Management. She has earned numerous awards and citations for her work, including a Golden Quill from the International Association of Business Communicators and a Bizmark Award from the Pittsburgh Chapter of the Business Marketing Association as Advertising Executive of the Year. Ms. Metzger serves on the Board of VisitPittsburgh and the board of the international Association of Science-Technology Centers.