

Welcome to ASM!

F. Yesim Ekinci Kadipasaoglu ASM Country Ambassador to TURKEY



About ASM

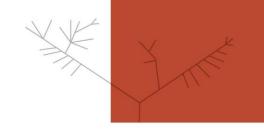
- Oldest and largest life science organization in the world
- >47,000 members worldwide
 - >50% reside outside United States
 - (from over >170 countries)
- 27 disciplines of microbiological specialization including a division for microbiology educators
- Meetings: ASM Microbe, BioDefense, and specialize conferences
- Publications: 13 journals 33% of all citations in microbiology. 100s of book titles in multiple languages



The mission of the ASM is to promote & advance the microbial sciences



Journals



- Regular Journals are open-access > 6 months from publication
- Review Journals are open-access > 1 year from publication
- ASM members subscribe to receive automatic notifications about articles of interest
- ASM members have "search" tool; search through 1000s of scientific articles
- Contact the ASM authors for more information!





Published quarterly, Cultures explore and global challenges by bringing di

- 35,000+ copies mailed to 15
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- Contributions for 22 countrie

in science diplomacy and global enabout the next issue's theme and please email cultures washinsa.org.



For more info: www.asm.org/cultures

ASM's monthly news magazine featuring letters, ASM public affairs reports, several research articles, summaries of articles of special interest published in ASM journals, a book review, and posts from the ASM blog *Small Things*

Considered. www.asmscience.org/content/journal/microbe?tab=current Microb gulamalar M 🚪 European Network f... 💪 Yesim Ekinci - Outlo... 🗋 file:///C:/Users/Dell/... 🚹 Welcome to Facebo... 💪 Inbox - Outlook We... JOURNALS/MAGAZINES V REPORTS/GUIDELINES ~ Home / Periodicals / Microbe Magazine MICROBE MAGAZINE CURRENT ISSUE **PAST ISSUES PODCASTS** CONNECT CURRENT TOPICS ANIMALCULES ASM NEWS NEW FROM ASM DEPARTMENTS BLOG SEPTEMBER 2016 **FEATURES** IMMUNE RESPONSES TO VIRUSES AND VACCINES DIFFER BETWEEN MEN AND WOME Author: Shannon Weiman Human sex differences extend beyond anatomy to encompass important immune system functions, predisposing men and womto respond differently to infectious diseases. For instance, estrogens tend to promote stronger inflammatory, cellular, and humoral immune responses in women than men. While robu... More... human chest with MICROBES AS INTEIN HAVENS pulmonary tuberculosis in



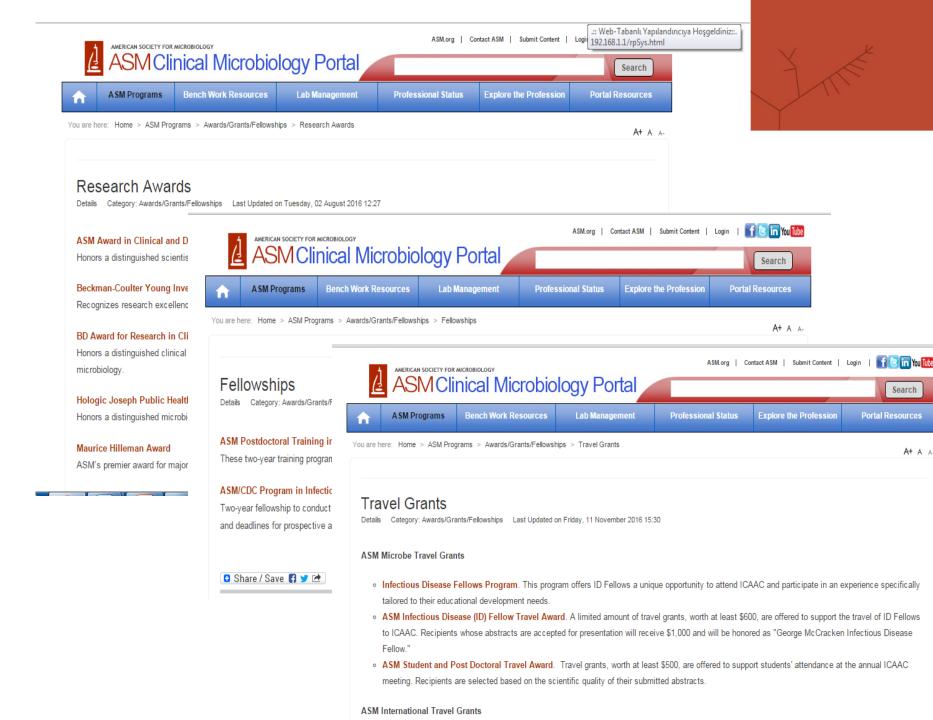
Being touted as "A Global Forum for Clinical Microbiologists and Immunologists," it hosts all of ASM's clinical and external relevant content and offers a variety of information needed for the day-to-day work.

Some of the portal's featur

- Monthly Hot Topics blo
- Question & Answer
- Updates on science, AS public policy (lab & public policy)
- Event calendar of ASM external organizations



For more info: http://clinmicro.





ASM Programs

Bench Work Resources Lab Management **Professional Status**

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- Blood Cultures
- · Help with Parasites
- Mycobacteriology
- Stool Culture

Conducting Daily Operati

- Antimicrobial Susceptibilit
- Disease-Specific Help
- Laboratory Safety
- Packaging and Shipping

Guidelines

- · Biosafety Guidelines
- Evidence-Based Lab Medic
- Infection Control Guideline

SM Clinical Microbiology Portal

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Equipment and Method Selection

. Availability of Methods

· Validation Methods

Laboratory Management

- . CLIA Complexity Database Searchable
- FDA Updates
- Lean Lab in Action
- . Starting a Molecular Lab

- CLIA Waived Tests
- Good Lab Practices for Waived Sites
- Personnel Competency

- . Emerging Markets: The Public Health Lab Perspective
- IQCP
- Quality Assurance Monitoring

Public Health

- Agency for Healthcare and Quality
- . Atlas of Salmonella in the United States
- Clinical Lab Improvement Amendments
- . Infectious Disease Laboratory Testing
- National Institutes of Health
- . U.S. Department of Health & Human Services

- · Association of Public Health Laboratories
- . CDC Vital Signs Program
- · Ctr for Infectious Disease Research & Policy · FDA-Approved Devices
- Laboratory Response Network
- Patient Safety
- . U.S. State Health Departments

- . ATCC: The Global Bioresource Center
- Centers for Disease Control & Prevention
- Healthmap
- Morbidity and Mortality Weekly Report
- State Public Health Lab Emergency Contacts
- World Health Organization (WHO)

Training

- · Antimicrobial Stewardship Program
- CDC Learning Connection

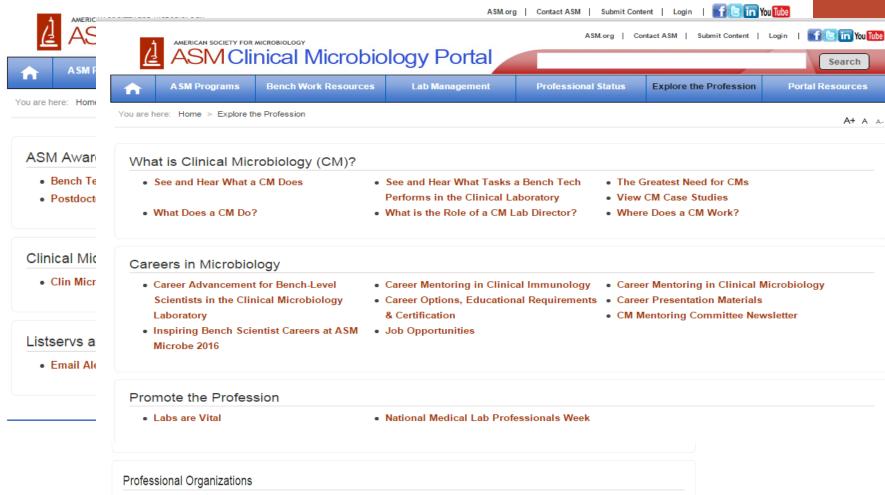
- ASM CE Portal
- · Center for Phlebotomy Education
- Association of Public Health Laboratories
- Colorado Assn for Continuing Medical Lab Education

Free Training

. Impact of New Microbiology Technology on . Lab Quality Mgmt System Training







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Regional Clinical Microbiology Societies





Social Media

- ✓ 257,000 Fans (90% International)
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- ✓ Join a discussion
- ✓ Ask a question
- ✓ Post an announcement
- ✓ Receive region-specific info on resources and member benefits

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- ✓ Peer-reviewed, digital media center for educators/students
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- ✓ Journal of Microbiology and Biology Education

www.microbelibrary.org/



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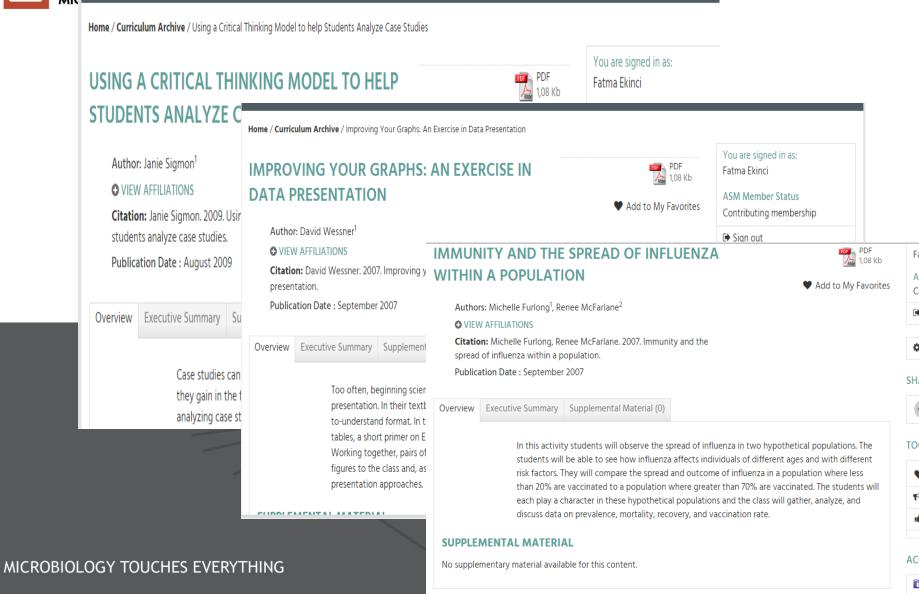


MICROBIOLOGY

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Laboratory Protocol

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ANIMAL CELLS IN CULTURE PROTOCOLS

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Fatma Ekinci

ASM Member Status

Authors: Erica Suchman 1, Carol Blair 2

VIEW AFFILIATIONS

Home / Laboratory Protocol / Bacteriological Examination of Waters: Membrane Filtration Protocol

Citation: Erica Suchman, Ca

Publication Date: Septemb

Category: Protocol

BACTERIOLOGICAL EXAMINATION OF

WATERS: MEMBRANE FILTRATION PROTOCOL

Full Text Figures (1) Referen

VIEW AFFILIATIONS

Citation: Brian Forster, Catalina Arango Pinedo. 2015. Bacteriological

examination of waters: membrane filtration protocol.

Authors: Brian Forster¹, Catalina Arango Pinedo ¹

Publication Date: June 2015

Figures (8) References

Category: Protocol

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History

Full Text

One component of potable water quality analysis is the presence or absence of human pathogenic bacteria that are transmitted through the fecal-oral route, i.e., mainly intestinal pathogens. Since it is difficult and expensive to routinely examine waters for the presence of every type of pathogen, it is more practical to screen the water for the presence of fecal contamination by testing for the presence of an indicator microorganism. Indicator microorganisms are ones that have the following properties:

a) the microorganism is not found in water and will be present in the water only when a contamination event has

History

Animal cells were first grown in heart in drops of horse plasma. explants died within a few days that cells from a given explant of sterile aqueous extract of whole

In the early 1950s, Earle (2) deve trypsin. When this suspension (container, the cells adhered to t

MICROBIOLOGY TOUCHES EVERYTHING



AMERICAN ACADEMY OF MICROBIOLOGY

Colloquia Report

The American Academy of Microbiology convenes colloquia on issues of critical importance in microbial sciences. Each colloquium brings together an invited group of scientific experts for several days of structured, directed

deliberations on reached during scientific issues and in colloquia repo

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APPLICATIONS OF CLINICAL MICROBIAL NEXT-GENERATION SEQUENCING

Authors: George M. Weinstock, Brittany Goldberg, Nathan Ledeboer, Eddy Rubin, Heike Sichtig, Chelsie Geyer

Citation: Weinstock G, Goldberg B, Ledeboer N, Rubin E, Sichtig H, Geyer C. 2016. Applications of clinical microbial next-generation sequencing.

Publication Date: February 2016

PDF Fatma Ekinci

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Overview Executive Sun

Executive Summary Supplemental Material (0)



Next-generation sequencing (NGS) has the capacity to provide crucial clinical benefits in patient care, patient outcomes, and public health, however, clinical laboratories must find ways to overcome operational, technical, regulatory, and strategic challenges in order to effectively employ NGS-based diagnostic tests. The Academy convened a colloquium on this topic in April 2015. Beyond the potential lifesaving impact of NGS methodologies, the report examines the main deterrents and shortcomings of the technology such as the data analysis and management pipelines, regulatory concerns and reimbursement issues, and the creation and maintenance of curated and secure databases. The report, titled *Applications of Clinical Microbial Next-Generation Sequencing* provides recommendations and suggestions for combating these current limitations to implement NGS in clinical settings.

SUPPLEMENTAL MATERIAL

No supplementary material available for this content.



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www.microbeworld.org





The Amazing Adventures of the Viruses, Vol-1; Vaccines 2nd Edition, 2017



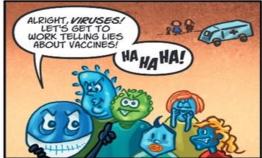


Virology Comics

13 Nov #1 (to be continued next Sunday 20th)



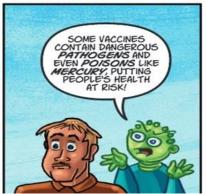
YES, SIR!











Scenario & Artwork: Dr.
Susan Nasif
Editor: Dr. Adam Wilson
Scientific Editor: Prof. Judy
Diamond
Cover Page & Proof-

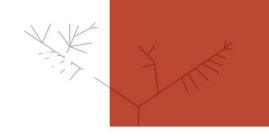
Reading: A. Prof. Robert L.

Eoff

Lettering: Prof. Ally Shwed



Country Ambassadors





85 Ambassadors worldwide

- Identify and respond to needs of local scientific community
- Disseminate info on biological sciences
- Strengthen ASM's global network of members

ASM Country Ambassador F.Yesim Ekinci Kadipasaoglu Email: yekinci@gmail.com

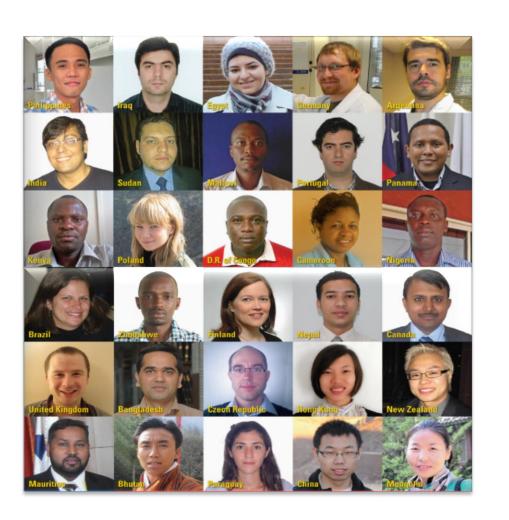




For more info: www.asm.org/ambassadors

Young Ambassadors





~47 Young Ambassadors Worldwide

- Work with other Young Ambassadors to advance ASM's mission
- Promote networking and collaboration globally
- Advance collaboration between ASM and local universities
- Leverage ASM resources to meet the needs of young microbiologists

Eligibility

- Current ASM membership
- Student, post-doc or received PhD within past 5 years
- Excellent communication skills
- Experience using social media
- Demonstrated leadership



International Student Chapters

- Create networks with students, faculty, industry, and non-profit organizations;
- Improve presentation skills;
- Develop leadership skills'
- Collaborate with peers, domestically and internationally;
- Contribute to local communities and support science through primary and secondary school engagement; and
- Discover mentors outside of academic institutions

Existing ISCs:

- Brazil University of Sao Paolo
- Canada University of Windsor
- Germany University of Freiberg
- India University of Delhi
- Nigeria The Polytechnic Institute, Ibadan
- Philippines St. Paul's University
- Paraguay Asuncion National University

Application Process:

- 1) Letter of Approval from Faculty Advisor
- 2) Letter of Intent
- 3) Constitution
- 4) List of Executive Board Officers

Apply at: https://intlgrants.asm.org



Professional Development

- ✓ New Workshops being developed in 2016!
- ✓ ASM members can attend the workshops for free!
- ✓ Virtual Speakers from ASM Experts



ART OF SCIENCE COMMUNICATION

- Why important
- Figures, posters, and face-to-face
- Public presentations

CULTURE OF RESPONSIBILITY

- Bio-safety
- Bio-security
- Dual Use
- Responsible Science



Travel Grants and Fellowships

STUDENT TRAVEL GRANTS

- **ASM Microbe**
- Biodefense and Emerging Diseases Receirch Meeting SM ICAAC MICTODE 2017 2017

FACULTY TRAVEL GRANTS

- Early-Career Faculty
- Faculty Enhancement Program
- ASMCUE Leadership Grant for International

FELLOWSHIPS

ASM/CDC Program in Infectious Disease and Public Health Microbiology

ASM Science Teaching Fellowship



IMPORTANT DATES

BUY 2016 SESSION RECORDINGS

- Exhibit Booth Sales Begin: August 1, 2016
- Abstract submission opens: Mid-November

CONTACT US

- Abstract submission closes: January 9, 2017
- Registration opens to ASM premium members December 15, 2016
- Registration opens to all: January 5, 2017
- Early bird registration deadline: April 20, 201

Awards



- Clinical and Diagnostic Immunology
- ASM Graduate Microbiology Teaching Award
- Research in Clinical Microbiology
- Leadership in Clinical Microbiology
- Applied and Environmental Microbiology
- ICAAC Young Investigators
- Moselio Schaechter Distinguished Service
- Healthcare Diagnostics Young Investigator
- And > 20 more Awards!!



Apply at: www.asm.org/awards

Service



ASM members build global laboratory capacity for all clinical microbiology in resource-limited countries.

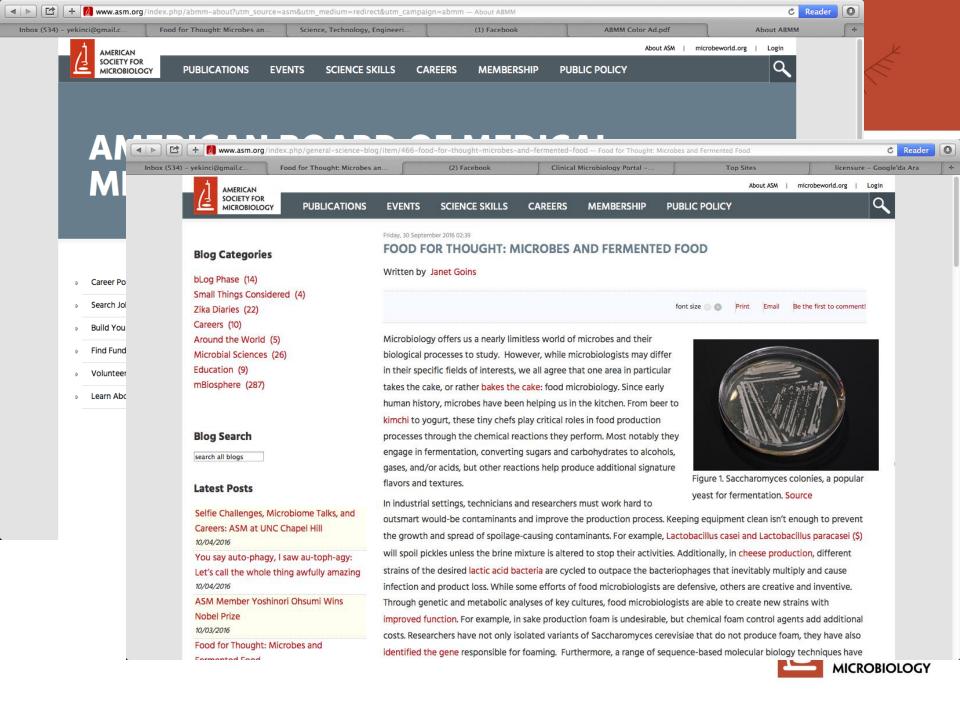
ASM LabCap assistance includes:

- Mentoring and training of in-country laboratory staff
- Strengthening of laboratory quality systems toward accreditation
- Advising on laboratory renovations, equipment & supply needs
- Developing & harmonizing global training tools
- Collaborating with partners to develop best practices













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Kavli Microbiome Ideas Challenge

Is your research focusing on new methods that will help promote the field of microbiome research? We are now accepting proposal submissions supporting development of next generation scientific tools for investigating life on a microbial scale across many environments. Grant submissions for the Kavli Ideas Challenge will close December 2nd, 2016 at 11:59 PM CST.

In support of a National Microbiome Initiative launched by the White House Office of Science and Technology Policy and to accelerate discovery in the field of microbiome research, The Kavli Foundation has committed \$1 million to a Kavli Microbiome Ideas Challenge supporting development of next generation scientific tools for investigating life on a microbial scale. The Kavli Ideas Challenge will be led by the American Society for Microbiology (ASM), and carried out in partnership with the American Chemical Society (ACS) and American Physical Society (APS).



Stay up to date with everything ABRCMS by signing up to receive emails.

Innovations in Research and Discovery While Increasing Diversity

Wednesday, November 9 | 8:00 pm - 8:30 pm

Juan E. Gilbert, Ph.D. Professor, University of Florida

Juan E. Gilbert is the Andrew Banks Family Preeminence Endowed Professor and Chair of the Computer & Information Science & Engineering Department at the University of Florida where he leads the Human Experience Research Lab. He is also a Fellow of the American Association for the Advancement of Science, National Associate of the National Research Council of the National Academies, an Association for Computing Machinery Distinguished Scientist and a Senior Member of the Institute of Electrical and Electronics Engineers. Dr. Gilbert was recently named one of the 50 most important African-Americans in Technology.

Where Will a Ph.D. Take You? Thursday, November 10 | 10:45 am - 11:45 am

Stefano Bertuzzi, Ph.D., M.P.H.

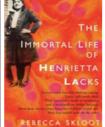
Chief Executive Officer, American Society for Microbiology

In January 2016 Stefano Bertuzzi became the Chief Executive Officer of the American Society for Microbiology (ASM). ASM is the oldest and largest single life science membership organization in the world, counting over 47,000 members. Dr. Bertuzzi has authored numerous research publications in neurobiology and science policy which have been published in top scientific journals. His research activities led to the discovery of a novel family of homeobox genes involved in the regulation of neuronal axon guidance in the visual system.

universities. All are pursuing advanced training in science,

An Update on the NIH-Lacks Family Partnership Friday, November 11 | 8:00 am - 9:00 am

HeLa Panel Family of Henrietta Lacks



The HeLa cell line was established in 1952 from biopsy specimens of Henrietta Lacks, a cervical cancer patient. HeLa is the oldest and most widely used human cell line and has been an extraordinarily important resource for science and medicine throughout the world. The use of HeLa cells has been directly associated with the work of 12 Nobel prizes in physiology or medicine between the years of 2001 and 2011.

This session is a follow-up to the 2013 ABRCMS session that introduced the NIH-Lacks family agreement, and will include updates from NIH, as well as personal reflections from Lacks family representatives.

Small World Health Protection: Risks and Resilience Friday, November 11 | 12:45 pm - 1:45 pm



Executive Vice President, Strategic Communications, Global Public Policy, and Population

(CDC), Julie Gerberding, MD, MPH guided the nation's leading health protection agency through

2016 **ABRCMS** Tampa, Florida





ABRCMS

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AMERIC SOCIETY

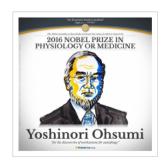




In her six years as the first woman director of the Centers for Disease Control and Prevention



Written by Stefano Bertuzzi



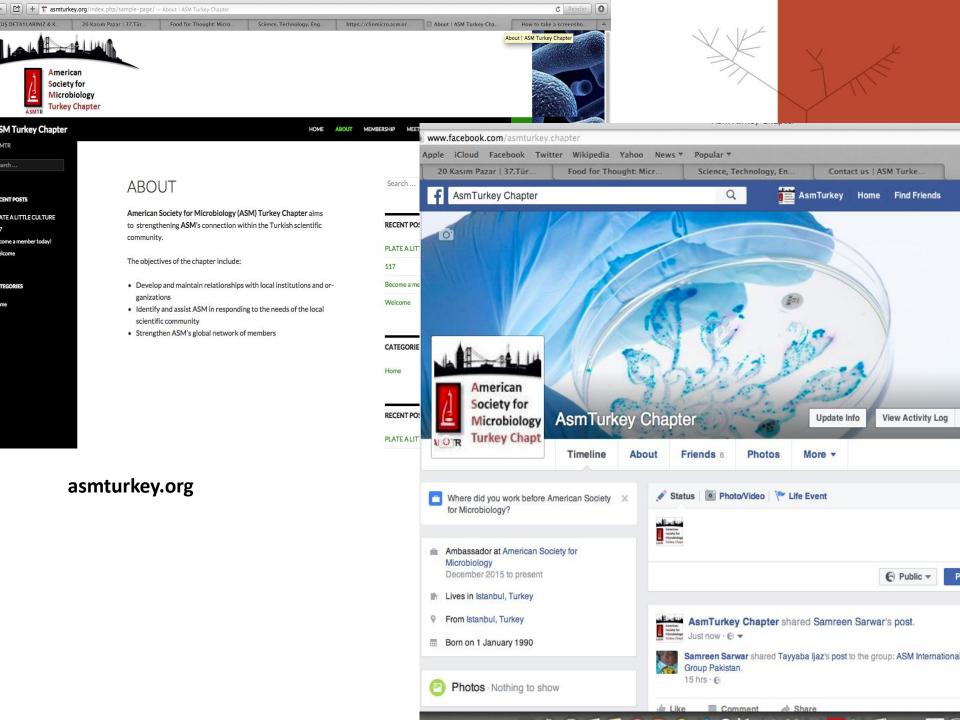
Today is a special day for ASM: yet again another of our members has been awarded the Nobel Prize!

Be the first to comment!

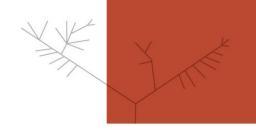
I was glowing with pride when at the crack of dawn this morning, I learned that **Yoshinori Ohsumi** received this most prestigious recognition for his discoveries of the mechanisms of autophagy, a fundamental process in cells that is used to degrade and recycle cellular components—nature is extremely clever in coming up with solutions to make the best out of everything! Dr. Ohsumi did his main work in baker's yeast (*Saccharomyces cerevisiae*), a unicellular eukaryote that has many properties of vertebrate cells and higher organisms.

The concept of autophagy, which literally means "self eating," emerged during the 1960s, when researchers noticed that cells could destroy their own content by enclosing it in membranes, forming sack-like vesicles that were transported to a recycling compartment, called the lysosome, for breakdown. This was a challenging phenomenon to study, so very little was known about this process until a series of brilliant experiments by Dr. Ohsumi in the early 1990s, using baker's yeast, identified the genes essential for autophagy. Dr. Ohsumi went forward to shed light on the underlying mechanisms for autophagy in yeast and showed that similar sophisticated machinery is used in our own cells.

Dr. Ohsumi's discoveries opened the path to understanding the fundamental importance of autophagy in many physiological processes, such as in the adaptation to starvation or response to infection. For the past decade there has been an explosion of advances in autophagy research, making it one of the hottest fields in cell biology. Mutations in



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- Become a member
- 2. Create a robust online profile
- 3. Explore the ASM website

www.asmscience.org

- ✓ Advance your Career
- ✓ Advance your Network
- ✓ Advance your Science
- ✓ Advance your Society



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10/4/16 10:48 PM



Advance with ASM

American Society for Microbiology // 1752 N Street, NW // Washington, DC 20036 Service Hotline: (202) 942-9319 // Fax: (202) 942-9347 // Email: service@asmusa.org

2017 Lab & Classroom Membership Contest

The Lab & Classroom discounted group membership (formerly known as Institutional Student Membership) offers organizations a discounted dues rate of \$17 per member (a savings of \$5 off the regular rate of \$22) when purchasing four or more Student, Postdoc, or Supporting memberships. You must submit 4 or more applications to earn the reduced rate. All subsequent applications submitted by you will be charged the reduced \$17 rate. You may purchase an unlimited number of discounted memberships from September 1, 2016 through December 31, 2017

Please indicate whether you are a member of ASM, your title, and the University/Organization you represent. Complete and return this data form with the Student, Postdoc, or Supporting membership applications.

I am an ASM member.	These are my first 4 applications	This is in addition to my first 4 applications
Name:	P	
Title:		
University/Organ	nization:	

