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**ASM ACTIVITIES** 

The Committee on Microbiological Issues Impacting Minorities Salutes Dr. Michele Nishiguchi for Outstanding Contributions to the Field of Microbiology

CMIIM Special Interest Session at asm2013

Now Available! JMBE, Volume 14, Issue 1 30th Annual Minority Microbiologists' Mixer

 Fourth Annual Mentoring Breakfast asm2013

■ ICAAC® 2013 ASM Conferences

Recognize Excellence with ASM Awards

**FEDERAL AGENCY ACTIVITIES** 

 Widening Implementation & Demonstration of Evidence-Based Reforms (WIDER, NSF 13-552) Methodologies and Formative Work for Combination HIV Prevention Approaches (R01, RFA-MH-14-180) Closing the Gap in Healthcare Disparities through Dissemination and Implementation of Patient Centered Outcomes Research (U18, RFA-HS-13-010)

 Symptom Management in HIV-Infected Individuals with Comorbid Conditions (R01, PA-13-210) ARTICLES OF INTEREST AND OTHER UPDATES NIAID Career Opportunities

(NIAMS) Diseases

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symbiosis (biofilm formation, luminescence). The work is truly unique in that it is one of the only experimentally evolved manipulations actually completed in a live animal host. In addition to the publication, William Soto (lead author) was selected as the 2013 R.A. Fischer award recipient, which is awarded annually by the Society for the Study of Evolution for an outstanding Ph.D. dissertation paper published in the journal *Evolution* during a calendar year. http://cms.gogrid.evolutionsociety.org/index.php?module=content&type=user&func=view&pid=14 Michele "Nish" Nishiguchi is presently a professor of Biology at New Mexico State University. She has focused her work on the evolutionary ecology between marine invertebrates and their symbiotic bacteria. Despite being a marine biologist in the middle of the Chihuahuan desert, Nish manages to chase after squid and their bioluminescent bacteria in places such as the Indo-West Pacific and Mediterranean Seas, and manages to eat some calamari along the way. Besides tasting good, they are the coolest, smartest, and most impressive molluscs around, because they have figured out a way to live peacefully with bacteria that allow them to control light, a behavior called counterillumination. She has been passionate about reaching out to students in the Southwest, and introducing them to marine biology and microbial ecology. She has trained a number of students from underrepresented groups (postdocs, graduate and undergraduate), and continues her commitment to

**CMIIM Special Interest Session at asm2013** The Committee on Microbiological Issues Impacting Minorities is sponsoring a special interest session, "The Immune Response and Diseases Which Primarily Affect Underrepresented Populations." **Session Description:** The role of the immune system is to defend the body against foreign invaders. In the absence of a properly functioning immune system, the host is subject to a variety of immunological diseases and dysfunctions. Studies demonstrate that these diseases and dysfunctions disproportionately impact certain groups and in impacting these groups represent one of the health topics included in health disparities. Health disparities refers to differences in the presence and severity of

**ASM ACTIVITIES** 

response in these and other such diseases is an important step in effectively developing translational tools to effectively address health disparities among racial and ethnic minorities and underserved populations.

 HIV Screening and Surveillance, Wayne Duffus, M.D., Ph.D., National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Centers for Disease Control and Prevention Career Guidance Available to Students, Postdocs at asm2013 Students or postdocs at asm2013 are encouraged attend "Everything You Need to Know about Obtaining a Successful and Fulfilling Microbiology Career" on Saturday, May 18 (1:00 pm to 4:30 pm). This session is a special opportunity for participants to talk with microbiologists from a wide range of career settings. Accomplished scientists from public health, industry, government, nonprofits, community colleges, clinical and state labs, patent law, science policy and communications, etc., will share insights about their work – responsibilities, expectations, salary, getting started, and advancement – in roundtable discussions with 10 to 12 students. Students must register (free) for Career Development Workshop WS-02 to attend. Students register by using their asm2013 registration login information to modify their existing conference registration record. Learn more about all asm2013 Career Development Workshops at http://gm.asm.org/.

education research.

Now Available! JMBE, Volume 14, Issue 1

**Fourth Annual Mentoring Breakfast** ASM's Underrepresented Members Committee (UMC) and Committee on Minority Issues Impacting Minorities (CMIIM) are sponsoring the Fourth Annual Mentoring Breakfast on Tuesday, May 21 from 8:00 – 10:00 a.m. in room Centennial Ballroom F at the Hyatt Regency. The Mentoring Breakfast will offer students, postdoctoral scientists, and professionals the opportunity to discuss topics relevant to career transitions with committed ASM volunteer mentors. Please contact Jennifer Mercurio (jmercurio@asmusa.org) with any questions. asm2013

together to foster global solutions to the problems of antimicrobial agents and infectious diseases. **Important Dates**  Late-Breaker Abstract Submission Site Opens – May 24, 2013 ■ Travel Grant Application Deadline – May 31, 2013 Late-Breaker Abstract Submission Deadline – July 31, 2013, 11:59 p.m. EST

The 101 sessions, 14 workshops, and 1,800 abstracts that make up ICAAC 2013 offer a unique opportunity for the world's most renowned scientists to come

Late-Breaking Session on H7N9 and H5N1 just announced. Learn More at http://gm.asm.org/index.php/2013-late-breaking-session.

4th ASM Conference on Salmonella: The Bacterium, the Host and the Environment October 5 – 9, 2013 | Boston, Massachusetts

**Key Components:** 

Author: Peter J. Hotez

Member Price: \$31.95 Published: April 2013

Nominations are due July 1.

**Special Interest Session** 

Microbiology, There Was A. C. Evans)

**Date:** Sunday, May 19, 2013 **Time:** 11:00 am - 12:15 pm

**FEDERAL AGENCY ACTIVITIES** 

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Raphaela Goldbach-Mansky, M.D., MHS

NIH/NIAMS,

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Location: Colorado Convention Center, Mile High Ballroom 3

For additional information and to learn more about CHOMA, go to http://www.asm.org/choma

http://www.asm.org/asm2013

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**Key Components:** 

274 pages.Paperback (ISBN 978-1-55581-874-6)

To purchase Forgotten People, Forgotten Diseases, Second Edition visit our e-store at http://estore.asm.org/viewItemDetails.asp?ItemID=1119. Find all of these titles and many more at estore.asm.org/press.

When you buy books directly through the ASM Press, you support the society that supports the science of microbiology.

This award was established by the ASM's Committee on the Status of Women in Microbiology, and is given in memory of Alice C. Evans, the first woman to be elected ASM President in 1928.

The American Academy of Microbiology (Academy) is accepting applications for its next Colloquium Fellow. This is a one-year fellowship for a recent microbiology Ph.D. recipient to develop skills in science policy and communication. If you can think of former students or others you've encountered who would be a good fit, please consider encouraging them to apply. Applicants for the fellowship should have a broad interest in the field and a willingness to learn about topics outside their own area of expertise. The fellowship will provide salary and some benefits.

Center for the History of Microbiology/ASM Archives (CHOMA) asm2013 Activities

American Academy of Microbiology Colloquium Fellow Applications Being Accepted

The Center for the History of Microbiology/ASM Archives (CHOMA) Committee, in collaboration with the Committee on the Status of Women in Microbiology, the Committee on Microbiological Issues Impacting Minorities, and the Underrepresented Members Committee, will present the Special Interest Session, Early Microbe Hunters Overcoming Biases and Barriers, at the asm2013 General Meeting in Denver, CO. The session will explore challenges faced by women and minority microbiologists in the 20th Century as well as subtle and complex forms of covert bias still faced by women and minorities today. Date: Sunday, May 19, 2013

Archives collection exploring the long, successful (and sometimes contentious) career of Alice Catherine Evans (1881-1975), the first woman to serve as President of the Society of American Bacteriologists (now ASM), who made substantial contributions to dairy and medical bacteriology. Colorado Convention Center, Exhibit Hall, Booth 325 Location: **Dates & Times:** Sunday-Monday (May 19-20, 2013), 10:45 am – 4:00 pm Tuesday (May 21, 2013), 10:45 am - 2:45 pm History of Microbiology Lecture - Accomplishments and Legacy of the Soviet Biological Weapons Program, 1928-1992

The Hydrologic Sciences Program focuses on the fluxes of water in the environment that constitute the water cycle as well as the mass and energy transport function of the water cycle in the environment. The Program supports studying processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; as well as the flow of water in soils and aquifers and the transport of suspended, dissolved and colloidal components. Water is seen as the mode of coupling among various components of the environment and emphasis is placed on how the coupling is enabled by the water cycle and how it functions as a process. The Hydrologic

evidence-based teaching and learning practices. The first recommendation in the Report of the President's Council of Advisors on Science and Technology (PCAST), "Engage to Excel," is to increase widespread implementation of evidence-based practices in order to increase persistence in STEM and contribute to the goal of

Through this process, WIDER seeks to substantially increase the scale of application of highly effective methods of STEM teaching and learning in institutions of higher education, by employing instructional materials and methods that have a convincing evidentiary basis of effectiveness. In particular WIDER seeks this

Included in our broad definition of effective STEM teaching and learning are not only instructional practices in traditional learning environments, but also modern laboratory methods and field research, proven distance education methods (or hybrid designs incorporating both face-to-face and distance methods), and improved

are informed by recent advances regarding: the importance of treatment uptake and retention in care; the effectiveness of combined behavioral and biomedical interventions; and the need to implement interventions community-wide for optimal public health impact. Reductions in HIV incidence will only be achieved through implementation of combinations of interventions that include biomedical and behavioral interventions, as well as components that address social, economic, and other structural factors that influence HIV prevention and transmission. However, combined prevention intervention approaches rely on synergies of multiple

elements that can be challenging to design, implement, and evaluate. This initiative will support methodological, formative, and implementation research designed to better understand the processes and outcomes of combination intervention efforts and that will enhance the implementation of these interventions. Letters of intent

Closing the Gap in Healthcare Disparities through Dissemination and Implementation of Patient Centered Outcomes Research (U18, RFA-HS-13-010) The purpose of this funding opportunity announcement (FOA) is to identify strategies to engage stakeholders through shared decision making that can be used to

effectively implement interventions specific to health care delivery systems, clinicians, and/or patients that focus on the reduction of racial/ethnic healthcare

transformation for high enrollment, lower division courses required for many STEM majors and taken by many other students to fulfill general education distribution

Sciences Program retains a strong focus on linking the fluxes of water and the components carried by water across the boundaries between various interacting

approaches to motivating student interest in STEM. Full proposals are due July 3, 2013, and more information is available at http://nsf.gov/pubs/2013/nsf13552/nsf13552.htm. Methodologies and Formative Work for Combination HIV Prevention Approaches (R01, RFA-MH-14-180) This FOA invites applications to advance science that is needed for optimal HIV combination prevention intervention approaches. Recent advances in biomedical interventions with critical behavioral aspects (e.g., Pre-exposure Prophylaxis [PrEP], Treatment as Prevention) have changed how HIV prevention and treatment are conceptualized. Significant local, city, state, and federally funded efforts are shifting towards community-level interventions to reduce HIV incidence, and these efforts

and diverse stakeholders in their strategies to reduce healthcare disparities in under-resourced settings. Letters of intent are due June 14, 2013, and more information is available at http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-13-010.html. **Symptom Management in HIV-Infected Individuals with Comorbid Conditions (R01, PA-13-210)** This funding opportunity announcement is seeking research focused on development, adaptation, or testing interventions aimed at identifying and managing symptoms related to HIV-Associated Non-AIDS (HANA) conditions, specifically functional capacity and frailty and increasing resilience (self-care) of HIV-infected persons with HANA. Full applications are due June 1, 2013, and more information is available at http://grants.nih.gov/grants/guide/pa-files/PA-13-210.html.

largely a one-way communication. Applicants need to have a serious understanding of the issues in order to carry in-depth discussions in small group settings on challenges to enhancing participation in the life sciences by underrepresented scientists. Verifiable documentation of the qualifying experience is required as part of the application process, and applicants will be chosen in part, based on their demonstrated ability to inform on the issues facing underrepresented scientists.

Department of Biomedical Sciences in Hamden, CT. The Minority Microbiology Mentor Editor-in-Chief is Dr. Floyd L. Wormley Jr., Ph.D., Associate Professor at the University of Texas at San Antonio and the Associate Editor is Crystal N. Johnson, Ph.D., Assistant Professor at Louisiana State University in Baton Rouge, LA. If you are interested in placing an ad in the MMM, please send the copy to CMIIM@asmusa.org by the first of the month.

**Presentations and Speakers:** • CD72 in Systemic *Lupus Erythematosus*, Judith A. James, M.D., Ph.D., Oklahoma Medical Research Foundation T cell Response in HIV Infection, Michael R. Betts, Ph.D., Perelman School of Medicine, University of Pennsylvania Mycobacterium tuberculosis and CarD Protein and Pathogenesis, Christina L. Stallings, Ph.D., Washington University, School of Medicine

113<sup>th</sup> General Meeting | May 18 - 21, 2013 | Denver, Colorado There is still time to register for asm2013! Register online, or when you arrive in Denver, to experience presentations by leading national and international investigators, esteemed award lecturers, and junior scientists on the cutting-edge.

November 4 - 7, 2013 | Copenhagen, Denmark For more information, go to: http://www.conferences.asm.org ASM PRESS: New Must Have Titles of May 2013 Color Atlas of Medical Bacteriology, Second Edition - NEW! Authors: Marie T. Pezzlo, Ellena M. Peterson, Luis M. de la Maza, Janet T. Shigei and Grace L. Tan

 Addresses the myriad changes that have occurred in the field since the first edition. Describes how NTDs have affected impoverished populations for centuries, changing world history. Considers the future impact of alliances between nongovernmental development organizations and private-public partnerships. **List Price:** \$39.95

William A. Hinton Research Training Award honors those who have contributed to the research training of undergraduate students, graduate students, postdoctoral fellows, or health professional students and whose efforts have led to the increased participation of underrepresented minorities in microbiology. This award is given in memory of William A. Hinton, a physician-research scientist and one of the first African-Americans to join the American Society for Microbiology. The nomination forms and more information regarding eligibility, the nomination process, and other ASM Awards can be found at http://bit.ly/YyOyhB. A complete nomination typically consists of a nominating form, the nominee's CV, and two supporting forms. These forms are all very brief (250 words).

participating in the entire process from choosing appropriate topics through proposal development and fund-raising to writing colloquium reports to publicity and dissemination. Applications are due May 15, 2013. Please visit http://academy.asm.org/index.php/colloquium-fellowship?utm\_source=fellows&utm\_medium=email&utm\_campaign=fellowship13 for a full job description, and http://academy.asm.org/index.php/colloquium-fellowship/2-uncategorised/156-how-to-apply for application instructions.

In addition to academic researchers and clinicians, the field of microbiology needs individuals who are skilled in science communication and public outreach. The goal of the AAM Colloquium fellowship is to provide an opportunity for a recent microbiology Ph.D. graduate to develop these skills. Each year the Academy convenes five to six colloquia to address critical issues in microbiology. The fellow will work closely with the Academy Director on the colloquium program,

 Alice S. Huang, California Institute of Technology, Pasadena, CA (Motivations and Mind Sets of "Model Minorities") Marian Johnson-Thompson, University of the District of Columbia, Washington, DC (Role Models of the Past: William Hinton, Ruth Moore and Others) Exhibit - Alice C. Evans In conjunction with their Special Interest Session, the Center for the History of Microbiology/ASM Archives (CHOMA) Exhibit will display materials from the ASM

components of the terrestrial system and the mechanisms by which these fluxes co-organize over a variety of timescales and/or alter the fundamentals of the interacting components. The Program is also interested in how water interacts with the solid phase, the landscape and the ecosystem as well as how such interactions and couplings are altered by land use and climate change. Studies may address aqueous geochemistry and solid phase interactions as well as physical, chemical, and biological processes as coupled to water transport. These studies commonly involve expertise from basic sciences and mathematics, and proposals

disparities in under-resourced settings. The effective strategies will incorporate the translation, dissemination, and implementation of patient-centered outcomes research (PCOR) findings for racial/ethnic minority populations. Successful applicants are required to demonstrate an ability to leverage the capacities of relevant

are due August 3, 2013, and more information is available at http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-14-180.html.

Applicants must be U.S. citizens or permanent residents and be actively engaged in full-time laboratory research. They do not have to be members of designated visible ethnic minority populations, but they do have to document substantial in-depth experiences in face to face interaction with persons from minority populations in the U.S., which include Native American/Alaska Native, Hispanic/Latino, African American/Black, and Native Hawaiian/Pacific Islanders, and ensure that these experiences are verifiable. Further, the applicants are required to document an understanding of the specific and sometimes nuanced issues and challenges often faced by underrepresented minority (URM) scientists. By face-to-face interactions, we mean experience or activity other than teaching, which is in many cases

Signing up to receive The Minority Microbiology Mentor is very easy and is open to ASM members and non-members: simply go to http://asm.org/index.php/component/content/article/31-forms/forms/238-subscribe-to-listserv, enter your email address, and select "MinorityMicroMentor" then submit, and you will receive confirmation of your subscription by email. If you are an ASM member, you will be prompted to Log In before signing up. The Committee on Microbiological Issues Impacting Minorities is chaired by Dwayne W. Boucaud, Ph.D., Associate Professor in the Quinnipiac University

affecting microbiologists (e.g., minority retention), and scientific articles published by minorities or by minority-serving institutions (MSIs).

sign up and to share this information with others who may find this e-newsletter beneficial.

American Society For Microbiology © 2013 Contact Us

The Keystone Symposia Fellows Program seeks early career scientists from both underrepresented minority and well-represented backgrounds, to interact with our distinguished Scientific Advisory Board (SAB) during the scientific meeting planning process. It provides an opportunity for a "behind the scenes" look at an activity performed by established scientists that will invaluably inform the applicant's future career and allows sharing with established scientists applicant views on the challenges faced by early career scientists and underrepresented scientists in particular. The Keystone Symposia Fellows Program will begin accepting applications for the 2014 Class on June 1, 2013. The application and eligibility requirements may be found at Keystone Symposia Fellows Program, as well as photos and bios of the most recent class of Fellows. The application to the Fellows Program must be

Bldg.10 room 6D47-B 10 Center Dr. Bethesda, MD 20892 e-mail: goldbacr@mail.nih.gov In July 2006, the Committee on Microbiological Issues Impacting Minorities (CMIIM) of the American Society for Microbiology Public and Scientific Affairs Board developed a monthly e-newsletter which contains information pertinent to minority microbiologists. Currently, there are very few minority-based newsletters for scientists, and there are none for microbiologists.

This e-newsletter provides a central means of distributing pertinent information to underrepresented minorities in the field of microbiology. Some examples include career advice, networking tips, relevant news articles, unique funding and career opportunities, microbiological issues affecting minorities (e.g., HIV), minority issues

The target populations are African-Americans, Latino-Americans, Native Americans, Alaska natives, and Pacific Islanders; however, all ASM members are invited to

Hydrologic Sciences (NSF 13-531)

Keystone Symposia Fellows Program

ASM PRESS: New Must Have Titles of May 2013

American Academy of Microbiology Colloquium Fellow Applications Being Accepted Center for the History of Microbiology/ASM Archives (CHOMA) asm2013 Activities

Career Guidance Available to Students, Postdocs at asm2013

**Policy About ASM Microbiology For the Public** Careers MINORITY MICROBIOLOGY MENTOR NEWSLETTER - MAY 2013 CELEBRATING ASIAN AMERICAN/PACIFIC ISLANDER HERITAGE MONTH

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Post-doctoral research fellowship position at the Translational Autoinflammatory Disease section in the National Institute of Arthritis and Musculoskeletal and Skin The Committee on Microbiological Issues Impacting Minorities Salutes Dr. Michele Nishiguchi for Outstanding Contributions to the Field of Microbiology

One of the interesting aspects of studying interactions between beneficial bacteria and their animal hosts is how quickly the bacterial symbionts can adapt to new "environments", in this case, a different host species. This has been observed in many cases, particularly when non-native bacteria come into contact with a new host species, and are either better able to infect the novel host, or have the ability to out-compete the native host due to other factors that favor the invading bacterium (temperature, salinity, pH). In this article [Soto, W., E.B. Punke, and M. K. Nishiguchi, Evolutionary perspectives in a mutualism of sepiolid squid and bioluminescent bacteria: Combined usage of microbial experimental evolution and temporal population genetics. Evolution 66:1308-1321 (May 2012)], Nishiguchi and her students examined how a non-native bacterial symbiont (Vibrio fischeri) from a Hawaiian bobtailed squid (Euprymna scolopes), was adapted over multiple generations in a closely related host from Australia (*Euprymna tasmanica*). Adaptation to the new host took between 400-500 generations, and the newly adapted *V.* fischeri was not only able to outcompete its ancestor (un-evolved), but also demonstrated drastic phenotypic changes in characteristics important for a successful

must be received by 1 December (for the May issue) and 1 July (for the December issue). For more information, visit http://jmbe.asm.org. JMBE eTOC alerts are available by visiting http://jmbe.asm.org/index.php/jmbe/user/register. **30th Annual Minority Microbiologists' Mixer** Mix and mingle at the 30th Annual Minority Microbiologists' Mixer. The tradition continues on Monday, May 20 from 9:00 – 10:30 p.m. in Centennial Ballroom A at the Hyatt Regency. Close out the evening with dessert and networking with your fellow microbiologists. One free drink ticket per attendee will be provided while supplies last. Please contact Renee Hunter (rhunter@asmusa.org) with any questions.

Unable to attend ICAAC 2013? Participate in this year's program from the comfort of your own home or office with ICAAC Online. Learn more at http://www.icaac.org/online. http://www.icaac.org **ASM Conferences 3rd ASMET - The ASM Emerging Technologies Conference** June 25 – 28, 2013 | Izmir, Turkey

Provides up-to-date developments in molecular biology methodology in the diagnostic laboratory with a new chapter examining the breadth and possibilities of Addresses antimicrobial susceptibility testing in light of the alarming emergence of antibiotic resistance. Published: May 2013 366 pages. Hardcover (ISBN 978-1-55581-475-5) To purchase Color Atlas, 2e visit our e-store at http://estore.asm.org/viewItemDetails.asp?ItemID=1120. Forgotten People, Forgotten Diseases: The Neglected Tropical Diseases and Their Impact on Global Health and Development, Second Edition - NEW!

A must-have if: You would like to seek a roadmap to coordinate global advocacy and mobilization of resources to combat neglected tropical diseases (NTDs).

**Recognize Excellence with ASM Awards** Your help is needed in identifying and nominating distinguished scientists for the 2013 ASM General Meeting Awards. This is your chance to honor those who have greatly contributed to the field of microbiology. These awards honor the most outstanding accomplishments in research, mentoring, education, leadership, and other practices of microbiology. Two particular awards of interest are the EMD Millipore Alice C. Evans Award and the William A. Hinton Research Training Award. The EMD Millipore Alice C. Evans Award honors a member of ASM for major contributions toward the full participation and advancement of women in microbiology.

**Time:** 11:00 am - 1:30 pm Location: Colorado Convention Center, Mile High Ballroom 1 **Conveners:** Joan W. Bennett (Rutgers) and Marian Johnson-Thompson (University of DC) Speakers: Arturo Casadevall, Albert Einstein College of Medicine of Yeshiva University, Bronx, NY (How Fungi Brought Me to a Brighter Future)

Lorraine A. Findlay, Nassau County Community College and University Medical Center, Garden City, NY (Long Before a Committee on the Status of Women in

Clifford W. Houston, University of Texas Medical Branch, Galveston, TX (Putting a New Face on the ASM Presidency)

Lecturer: Raymond A. Zilinskas, Center for Nonproliferation Studies, Monterey Institute of International Studies, Monterey, CA

may require joint review with related programs. The Hydrologic Sciences Program will also consider some synthesis activities. Full proposals are due June 3, 2013, and more information is available at http://nsf.gov/pubs/2013/nsf13531/nsf13531.htm. Widening Implementation & Demonstration of Evidence-Based Reforms (WIDER, NSF 13-552) The chief goal of WIDER is to transform institutions of higher education into supportive environments for STEM faculty members to substantially increase their use of

ARTICLES OF INTEREST AND OTHER UPDATES **NIAID Career Opportunities** The National Institute of Allergy and Infectious Diseases (NIAID), one of the largest Institutes of the world-renowned National Institutes of Health (NIH), conducts and supports a global program of biomedical research to better understand, treat, and ultimately prevent infectious, immunologic, and allergic diseases. NIAID is at the forefront of research and discovery in areas such as HIV/AIDS, pandemic influenza, malaria, tuberculosis, vaccine research, and many more.

A talented and diverse workforce is one of NIAID's greatest assets, and we seek qualified candidates to help us make a difference in the lives of millions around the world. Join NIAID's scientific workforce and play a key role in developing and implementing programs that support a broad range of cutting-edge clinical, basic, and

NIAID boasts state-of-the-art facilities and highly trained staff who seek new and improved ways to understand, treat, and prevent infectious and immune-mediated diseases. NIAID also offers competitive salaries and a comprehensive benefits package, including retirement; health, life, and long-term care insurance; annual and

returned via U.S. postal mail and postmarked no later than 12:00PM (MST) on September 1, 2013. Applicants are urged to begin the application process early in the spring-summer to avoid problems with obtaining necessary documents by the September deadline. Post-Doctoral Research Fellowship Position at the Translational Autoinflammatory Disease Section in the National Institute of Arthritis and Musculoskeletal and Skin (NIAMS) Diseases A post-doctoral research fellowship position at the Translational Autoinflammatory Disease section in NIAMS is currently available. Applicants with a PhD in the field of molecular biology or immunology, who have an interest in translational research and the development of iPS cell based models of organ inflammation, are encouraged to send their CV to Dr. Goldbach-Mansky at goldbacr@mail.nih.gov.

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increasing diversity through research, teaching, and outreach. disease, health outcomes and quality of health care that exists in particular racial or ethnic groups, low income and medically underserved populations. There are multiple elements which contribute to these group specific outcomes including, but not limited to, access to quality health care, community-based factors and biology. Accordingly, a defective immune system can lead to faulty immune responses which, in turn, cause a host of immune response diseases. These include both infectious and non-infectious diseases, such as acquired immune deficiency syndrome (AIDS), tuberculosis, diabetes and systemic lupus erythematosus. In many of these diseases the immune system plays a key role in not just defending against the disease but contributing to the disease process. Understanding the immune The editors of ASM's Journal of Microbiology & Biology Education (JMBE), the premier journal for microbiology and biology education research, are excited to announce the publication of volume 14, issue 1, of the journal. A freely available, scholarly, and internationally indexed publication, JMBE provides broad coverage of science education via five sections: Research (articles about science education research), Perspectives (thoughts relating a current societal or educational concern to teaching and learning), Curriculum (classroom and laboratory exercises that are innovative, field-tested and assessed), Tips and Tools (innovative teaching guidance), and Reviews (appraisals of biology-related books and media). The newest issue includes all of the abstracts from the 2013 Annual ASM Conference for Undergraduate Educators (ASMCUE) along with numerous articles that promote good pedagogy and design, foster scholarly teaching, and advance biology JMBE editors welcome article submissions, and manuscripts are accepted and reviewed on a rolling basis. However, to be considered for each volume, submissions