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• Assistant Professor Position at Lewis & Clark College
• Assistant Professor Position at Kalamazoo College
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• Graduate Study Opportunity in Microbial Ecology, Baylor University
• Graduate Research Opportunities for Fungal Ecology and Evolution in Hawaii
• Field Assistants in Plant Disease Ecology (5-6 positions)

SPOTLIGHT ON MINORITY MICROBIOLOGY SCIENTISTS

The Committee on Microbiological Issues Impacting Minorities Celebrates Hispanic Heritage Month (9/15/12 - 10/15/12): Dr. Eugene Cota-Robles (1926 – 2012)

For many centuries, Hispanic Americans have made significant social, political, economic, and scientific contributions to this country's advancement. Therefore, the Committee on Microbiological Issues Impacting Minorities would like to take this time to honor all contributions made by Hispanics to the field of microbiology in recognition of Hispanic Heritage Month (9/15/12 - 10/15/12).

In celebration, we honor world-famous microbiologist Dr. Eugene Cota-Robles, who was a long-standing member of the American Society for Microbiology and the American Academy of Microbiology, where he chaired AAM's first Diversity Committee.

Dr. Cota-Robles was born in 1926 in Nogales, AZ, to parents who were natives of northern Mexico. Following completion of High School in Tucson, he enlisted in the U.S. Navy and served in the South Pacific during World War II. The American People supported him financially in his endeavor to earn a bachelor's degree at the University of Arizona with the aid of the G.I. Bill. After graduation he worked at Gerber Baby Foods in Oakland, CA, as a quality control bacteriologist. He went on to earn his Ph.D. at the University of California, Davis, where his work focused on the internal organization of the nitrogen-fixing bacterium Azotobacter agilis. After graduate school, he studied further as a U.S. Public Health Service Postdoctoral Fellow in Stockholm, Sweden, and later became a professor of microbiology at the University of California, Riverside. He continued to work in the area of microbial cell structure at Pennsylvania State University and the University of California, Santa Cruz.

Dr. Cota-Robles was one of the first fully U.S.-educated Mexican Americans to earn a Ph.D. in the natural sciences at a U.S. university, and he may have been the first Mexican American to earn tenure in a scientific discipline at the University of California. Notably, Dr. Cota-Robles was honored by the Eugene H. Cota-Robles Fellowship for predoctoral students. This four-year fellowship program, funded by the University of California Office of the President and the UCLA Graduate Division, supports a limited number of students who are entering Ph.D. programs and are interested in a career in college or university teaching and research.

More recently, Dr. Cota-Robles had been active in trying to increase the inclusion of U.S. minority students as University of California ladder rank faculty, and he was also involved in trying to encourage the availability and need of early childhood education for U.S. Latinos and African Americans. He was Professor Emeritus at the University of California, Santa Cruz.

Dr. Cota-Robles' biography has also been made available by the Society for Advancement of Chicanos and Native Americans in Science (SACNAS) at http://www.sacnas.org/biography/Biography.asp?mem=40&type=2. The SACNAS Biography Project
ASM ACTIVITIES

MicrobeLibrary: New Resources Wanted
Students and faculty are encouraged to visit and contribute to MicrobeLibrary – a repository of more than 1,600 free resources developed for and by educators. Newly organized as a peer-reviewed, digital media center, the library divides its vast resources into four searchable collections: Visual Media Briefs, the Gallery, Laboratory Protocols, and – coming in 2013 – the Critical Thinking Question Bank. Visual Media Brief editors welcome animations, images, and videos formatted as short research communications for a scientific journal (that is, with introduction, methods, discussion, and reference sections). Gallery editors welcome images, videos, and animations that can enhance lecture or lab presentations. Submission deadlines are July 1 (for publication in December) and December 1 (for publication in May). For author guidelines and instructions, visit http://www.microbelibrary.org.

ASM Scientific Writing and Publishing Institute
Senior-level graduate students and early-career postdoctoral scientists are invited to apply for the 2013 ASM Scientific Writing and Publishing Institute. Co-sponsored by ASM and the Burroughs Wellcome Fund, the institute will be held March 21-24 at ASM’s Washington, D.C., headquarters. Institute participants receive careful guidance and mentoring in topics important for publishing and flourishing in the microbiological sciences: (i) writing and submitting manuscripts, (ii) writing abstracts and titles, (iii) selecting journals for submission and strategically suggesting the best editors and reviewers for a manuscript, (iv) responding to reviewer comments and learning to be a good reviewer, and (v) addressing ethical issues related to scientific research and publishing. The application deadline is December 1. The Institute is sponsored by ASM and the Burroughs Wellcome Fund and managed by ASM. Learn more at http://www.asmgap.org.

JMBE: Now Accepting Submissions!
The ASM Journal of Microbiology & Biology Education (JMBE) – the premier journal for microbiology and biology education research – welcomes submissions of articles that foster scholarly teaching in the biological sciences. Each issue of JMBE features peer-reviewed, practical tips for teaching, education research and perspectives, innovations in science, and reviews. Articles may be accessed at no cost, there are no page charges for authors, and journal editors provide hands-on guidance throughout the review process. Manuscripts are reviewed on a rolling basis, with dispositions provided within five weeks. However, to be considered for each volume, submissions must be received by July 1 (for the December issue) or December 1 (for the May issue). To view instructions for authors, access current and past issues, or sign up for eTOC alerts and reminders about submission deadlines, visit http://jmbe.asm.org.

ASM Undergraduate Research Capstone
Undergraduate students, especially those from minority groups that are underrepresented in the sciences, are invited to apply for the ASM Undergraduate Research Capstone Program. The capstone experience enhances the professional development of students by providing them with opportunities to present their microbiological-sciences-related summer research. Awardees are supported to attend the ASM General Meeting and the ASM Presentation Institute, with the meeting providing a national venue for them to practice the skills they learn at the institute. These skills include preparing effective abstracts and posters, making successful scientific presentations, and interacting professionally with colleagues. Note that capstone awards are contingent upon abstract acceptance to the ASM General Meeting; thus, applicants must also submit abstracts for participation in the meeting. The application deadline is December 1. Learn more at http://www.asm.org/urc.

New from ASM Press
Detect foodborne pathogens early and minimize consumer exposure.

- Presents the latest guidelines for fast, easy, cost-effective foodborne pathogen detection.
- Enables readers to avoid common pitfalls and choose the most effective and efficient method, assemble the necessary resources, and implement the method seamlessly.
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443 pages.
Published 2011.

For more information related to *Rapid Detection* please visit:

*Nitrification*
Editors: Bess Ward, Princeton University; Daniel Arp, Oregon State University; Martin Klotz, University of Louisville
Hardcover: 978-1-55581-481-6
List Price: $159.95
Member Price: $127.95

A full review of the latest research findings on microbes involved in conventional aerobic nitrification, anaerobic ammonia oxidation, and related processes.

- Examines the four principal groups of nitrifying microbes including conventional aerobic bacterial ammonia oxidizers, recently discovered aerobic archaean ammonia oxidizers, anaerobic ammonia-oxidizing planctomycetes, and nitrite-oxidizing bacteria.
- Provides current information on the ecology, phylogeny, biochemistry, molecular biology, and genomics of each group of microbes.
- Discusses the latest industrial applications of nitrification and anammox processes, and explores the ecology of nitrification in marine, freshwater, soil, and wastewater environments.

460 pages.
Published 2011.

For more information related to *Nitrification* please visit:

*MicrobeCards - The App!*
Medical Microbiology and Infectious Diseases Study Cards
Author: Mark Peppler
http://eyecuecards.com/

*The Cards:* Designed to look like classic trading cards, with color images, diagrams and text to explain medically important microbes

- The set contains 103 color-coded cards organized into gram-positive bacteria, gram-negative bacteria, viruses, fungi, and parasites.
• The front of each card displays a unique collection of microscopic and clinical images, contributed by infectious disease experts around the world.
• The back of each card lists six features of the organism: diseases caused, pathogenesis, immunity, epidemiology, diagnosis, and control.
• An outline of the human body on the back of the card shows at a glance where the organisms cause disease.

...AND IN THE DIGITAL VERSION:

• Browse cards in Card Flow view, or alphabetically by "Name" or "Type."
• Organize custom collections by saving either search results or individual selections into "Stacks."
• Quiz yourself using "Search." Type in a key word; results show cards containing that key word. Example: Which bacteria have a capsule (outer defensive covering)? Type in "capsule"; results show 10 bacteria and one fungus that are encapsulated.
• iPhone and iPod Touch versions support portrait and landscape orientations, and spread-and-pinch zoom.

Price: $19.99
For iPad, iPhone, and iPod Touch
Available Fall 2012 for Android tablets and smart phones.

For more information related to the MicrobeCards App please visit:
Find all of these titles and 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.

ASM Presents the Clin Micro Portal's November Hot Topic
ASM’s next hot topic discussion is entitled “Pathogens Never Sleep - Should Clinical Microbiology Laboratories?” and is scheduled for November 1, 2012, at 3:00 p.m. (EST). Joseph M. Campos, PhD, D(ABMM), F(AAM), Children's National Medical Center, Washington, DC, will be available to answer your questions.

Visit http://clinmicro.asm.org/blog to learn more and stay tuned for Dr. Campos's presentation!

FEDERAL AGENCY ACTIVITIES

Arctic Research Opportunities, NSF 10-597
The National Science Foundation (NSF) invites investigators at U.S. organizations to submit proposals to conduct research about the Arctic. Arctic research includes field and modeling studies, data analysis, and synthesis about the arctic region. The goal of the NSF Division of Arctic Sciences is to gain a better understanding of the Arctic's physical, biological, geological, chemical, social and cultural processes; the interactions of oceanic, terrestrial, atmospheric, biological, social, cultural, and economic systems; and the connections that define the Arctic. The Division of Arctic Sciences and other NSF programs support projects that contribute to the development of the next generation of researchers and scientific literacy for all ages through education, outreach, and broadening participation in science, technology, engineering, and mathematics. Program representatives from OPP and other non-OPP NSF programs that support arctic research coordinate across NSF, including joint review and funding of arctic proposals and mutual

Advancing Digitization of Biodiversity Collections (ADBC, NSF 12-565)
This program seeks to enhance and expand the national resource of digital data documenting existing vouchered biological and paleontological collections and to advance scientific knowledge by improving access to digitized information (including images) residing in vouchered scientific collections across the United States. The information associated with various collections of organisms, such as geographic, paleogeographic and stratigraphic distribution, environmental habitat data, phenology, information about associated organisms, collector field notes, and tissues and molecular data extracted from the specimens, is a rich resource providing the baseline from which to further biodiversity research and provide critical information about existing gaps in our knowledge of life on earth. The national resource is structured at three levels: a central coordinating organization, a series of thematic networks based on an important research theme, and the physical collections. The national resource builds upon a sizable existing national investment in curation of the physical objects in scientific collections and contributes vitally to scientific research and technology interests in the United States. It will become an invaluable tool in understanding contemporary biological issues and challenges. Applications are due October 19, 2012, and more information is available at http://nsf.gov/pubs/2012/nsf12565/nsf12565.htm.

Alliances for Graduate Education and the Professoriate (AGEP, NSF 12-554)
AGEP is committed to the national goal of increasing the numbers of African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians and other Pacific Islanders (URMs), including URMs with disabilities entering and completing graduate education and postdoctoral training to levels representative of the available pool of URMs. Increased URM participation in advanced STEM education and training is critical for supporting the development of a diverse professional STEM workforce especially a diverse STEM faculty who serve as the intellectual, professional, personal, and organizational role models that shape the expectations of future scientists and engineers. To achieve this long term commitment, the AGEP program will support the development, implementation, study, and dissemination of innovative models and standards of graduate education and postdoctoral training that are designed to improve URM participation, preparation, and success. Applications are due October 30, 2012, and more information is available at http://nsf.gov/pubs/2012/nsf12554/nsf12554.htm.

Graduate Research Fellowship Program (GRFP, NSF 12-599)
The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the vitality and diversity of the scientific and engineering workforce in the United States. The program recognizes and supports outstanding graduate students who are pursuing research-based master’s and doctoral degrees in fields within NSF’s mission. The GRFP provides three years of support for the graduate education of individuals who have demonstrated their potential for significant achievements in science and engineering research. Applications are due as early as October 13, 2012, and more information is available at http://nsf.gov/pubs/2012/nsf12559/nsf12559.htm.

Immunity in the Elderly (R01, RFA-AI-12-038)
The National Institute of Allergy and Infectious Diseases (NIAID) and the National Institute of Aging (NIA) invite applications to define the mechanisms for induction, development, and maintenance of protective immunity in the elderly in response to infections with or vaccinations against NIAID Emerging and Re-emerging Infectious Diseases (http://www.niaid.nih.gov/topics/emerging/Pages/list.aspx). The goal of this FOA is to develop a better understanding of the immune mechanisms involved during the aging process that contribute to impaired immune responses resulting in severe infections and dampened responses to vaccines in this population. This FOA requires human studies, to gain insights into immune changes in elderly individuals. Thus, at least one aim of the project must focus fully on human studies; appropriately justified animal work may be included in additional aims to conduct mechanistic studies that are not possible in humans. Letters of intent are due January 18, 2013, and more information is available at http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-12-038.html.
Prevention of HIV Transmission/Acquisition through a better understanding of Reproductive Health (R01, RFA-HD-13-008)

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH), invites Research Project Grant (R01) applications to further our understanding of HIV acquisition/transmission by increasing our knowledge regarding the intersection between reproductive health and HIV prevention. The emphasis of the FOA is to encourage comprehensive behavioral-biomedical approaches that can lead to new insights in HIV prevention research. This FOA is not intended to fund drug discovery or large scale clinical trials. Letters of intent are due October 29, 2012, and more information is available at http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-13-008.html.

Drug Abuse Aspects of HIV/AIDS (R01, PA-12-293)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related co-morbidities and consequences. Applications are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners; to develop and test interventions for primary and secondary HIV prevention, including drug treatment interventions; to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS; and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction. Applications are due January 7, 2013, and more information is available at http://grants.nih.gov/grants/guide/pa-files/PA-12-293.html.

Bridges to the Doctorate Program (R25, PAR-12-276)

This Funding Opportunity Announcement (FOA) issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health (NIH), encourages Research Education Grant (R25) applications from institutions that propose to increase the pool of master's degree students from underrepresented backgrounds who go on to research careers in the biomedical and behavioral sciences, and who are trained and available to participate in NIH-funded research. This initiative promotes partnerships/consortia between colleges or universities granting a terminal master's degree with institutions that offer the doctorate degree. The program expects that the joint efforts of doctorate degree-granting and master's degree-granting institutions will foster the development of a well-integrated institutional program that will provide students with the necessary academic preparation and skills to enable their transition and successful completion of the Ph.D. degree in biomedical and behavioral sciences. Applications are due October 26, 2012, and more information is available at http://grants.nih.gov/grants/guide/pa-files/PAR-12-276.html.

ARTICLES OF INTEREST AND OTHER UPDATES

CALL FOR APPLICATIONS – History of Microbiology Research Travel Awards Deadline – NOVEMBER 15, 2012

The Center for the History of Microbiology/ASM Archives (CHOMA) Committee is pleased to announce two Travel Awards of $1500 each for research at the ASM Archives in the area of the history of microbiology. The grants support research of the awardees' choosing, and awardees may be invited to present their research at the ASM Annual Meeting and/or prepare an article for Microbe, the ASM membership magazine.

The CHOMA collections, located at the University of Maryland Baltimore County (UMBC), include 9,000 volumes on microbiology and related topics; photographs of scientists and microbes; topical files on various aspects of microbiology; biographical materials; instructional materials, including slides and motion pictures; records of the Society from its founding in 1899 to the present, including journals and proceedings of meetings; and several collections of personal papers. For additional information on the collection, go to http://www.asm.org/choma or contact the ASM Archivist, Jeff Karr, at jkarr@asmusa.org.
Applicants for the History of Microbiology Research Travel Awards must provide a CV (any length), a detailed description of the proposed project (three pages maximum) clearly demonstrating its historical intent, and a tentative list of archive materials to be used based on the descriptions of CHOMA holdings found at the website. In addition, a short description of previous historical research undertaken by the applicant (if applicable) and/or an indication of how/why the applicant became interested in the history of microbiology must be provided. Finally, applicants should arrange to have two letters of recommendation sent by e-mail.

All applications and letters of recommendation are due by NOVEMBER 15, 2012 to the ASM Archivist, Jeff Karr, at jkarr@asmusa.org. Awards will be announced by December 30, 2012.

For additional information on the award and award guidelines, click on the "Research Travel Awards" link on the Center for the History of Microbiology/ASM Archives (CHOMA) website (http://www.asm.org/choma).

The CMIIM List of Minority Microbiologists (CLMM) is Expanding

The recently published CMIIM List of Minority Microbiologists (CLMM) is now expanding to include new additions. All new additions will be considered by the CMIIM for inclusion to the CLMM. To submit requests to be added to the CLMM, please submit a biosketch of at least one paragraph, along with a .jpg image of yourself, to CMIIM@asmusa.org. The committee reserves the right to make slight modifications to each biosketch, but the final version will be submitted to you for final approval before publishing. To view the CLMM, go to: http://www.asm.org/clmm.

NIAID Transition Program in Clinical Research

The NIAID Transition Program in Clinical Research (TPCR) provides an exceptional opportunity for physicians to gain clinical and translational research experience in the NIAID Division of Intramural Research (DIR). The program aims to increase the pool of well-trained clinical investigators who are competitive for clinical tenure-track positions.

Up to three candidates per year will be selected for three- to five-year appointments as assistant clinical investigators. Applicants must have an M.D. or M.D. /Ph.D., be board eligible or board certified in a subspecialty (or equivalent), and qualify for credentialing by the NIH Clinical Center. Applicants should identify a DIR lab chief who will agree to host their research. Information about DIR labs and contact information for lab chiefs is available on NIAID’s Division of Intramural Research website. (http://www.niaid.nih.gov/about/organization/dir/Pages/default.aspx)

Applications will be evaluated by a search committee composed of NIAID DIR principal investigators with clinical and basic research interests. Competitive candidates will be invited to present their research accomplishments and plans to the search committee.

Participants will receive independent resources and staff and will be mentored by an NIAID senior clinical investigator.

Interested candidates may contact DIR Deputy Director Dr. Karyl Barron at 301-402-2208 or kbarron@nih.gov for additional information or assistance in identifying an appropriate host lab.

To apply for the program, email a curriculum vitae/bibliography, a research program proposal (no more than two pages), and a letter of support from the accepting NIAID lab chief by October 26, 2012, to Ms. Kimberley Pagan-Tindal at NIAID.DIR.Search@niaid.nih.gov. In addition, send three letters of recommendation to the Chair, Transition Program in Clinical Research Search Committee, c/o Ms. Kimberley Pagan-Tindal, by email at NIAID.DIR.Search@niaid.nih.gov or by post at 33 North Drive, MSC 3204, Building 33, Room 1N19, Bethesda, MD 20892-1356. Email is preferred. Please note “TPCR Search” when sending materials.

Visit the Careers at NIAID (http://www.niaid.nih.gov/about/working/joblistings/Pages/default.aspx?utm_source=MMMNewsletter&utm...
Faculty Position in Immunology University of Tennessee

The Department of Microbiology at the University of Tennessee (http://www.bio.utk.edu/micro) invites applications for a tenure-track faculty position at the Assistant Professor level starting August 1, 2013 in the area of Immunology. Candidates with active research programs focusing on innate immune responses to infection and/or host-pathogen interactions using cellular and molecular immunologic methodologies are encouraged to apply. The person filling this position is expected to develop an independent, extramurally funded research program, become an excellent teacher, mentor both undergraduate and graduate students, and interact well with other faculty members. Candidates must have a Ph.D. or equivalent degree and postdoctoral experience in immunology or host-pathogen interactions. Applications should be submitted as a single PDF document including a cover letter, curriculum vitae, and statements of research goals and teaching interests/philosophy, and applicants should also arrange for three letters of reference. The PDF from the applicant and letters directly from references should be sent to ImmuneSearch2012@utk.edu with the applicant’s name in the subject line.

Review of applicants will begin November 1, 2012 and continue until the position is filled.

This position is subject to official approval by the University of Tennessee.

The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

Health Scientist position available at the Centers for Disease Control and Prevention (GS-13/14/15)

If selected (job announcement number HHS-CDC-OD-12-639919), you will consult on matters relating to laboratory systems analysis and developmental planning, operational research and all aspects of laboratory quality assurance. Manage significant projects, programs and staff and will represent the Centers for Disease Control and Prevention with the Embassy. Conceive, implement and direct laboratory program activities. Provide leadership in developing scientific policy as it relates to laboratory practice in chronic, infectious and zoonotic diseases. Provide consultation to host country, international organizations and grantees. Write reports, abstracts, articles, opinions and makes oral presentations to disseminate operational research findings and to advocate for laboratory programs. Position is open Friday, April 06, 2012 to Friday, April 05, 2013, and more information is available at https://www.usajobs.gov/GetJob/ViewDetails/313710700?share=email.

Assistant Professor Position Available at Duke University Medical Center

The Department of Immunology at Duke University Medical Center invites applications for a TENURE-TRACK Assistant Professor faculty position. Outstanding candidates working in all areas of immunology are invited to apply. The successful applicant will join a highly interactive group of immunologists within the Department and an outstanding immunology and basic science community at Duke University Medical Center. The Department boasts a vibrant graduate program and offers ample laboratory space and a highly competitive start-up package, including salary support. The Department is committed to creating a diverse workforce and training environment. Please visit our website at http://immunology.mc.duke.edu. Candidates should have a Ph.D. or M.D. degree, significant postdoctoral experience, and a record of outstanding research productivity. Applications should include a curriculum vitae, statement of research interests, and the names of three references. Application deadline: November 1, 2012. Interested candidates should submit their applications electronically to: https://academicjobsonline.org/ajo/jobs/1674.
Assistant Professor Position Available at St. Edward’s University
The Environmental Science and Policy Program at St. Edward’s University is seeking qualified applicants at the rank of Assistant Professor. We seek candidates with a commitment to undergraduate education and mentoring, strong communication skills, and collegiality. Areas of specialization are open. The successful candidate will join a multidisciplinary department, teach four courses per semester, advise undergraduate students, pursue faculty development efforts, and participate in the wider life of the university and community. The successful candidate should be prepared to share teaching responsibilities for core courses (e.g., Environmental Science, General Ecology, Ecology and Environment or Environmental Geology), as well as developing courses in their area of expertise. Opportunities will also be available to contribute courses to the general education curriculum, School of Natural Sciences, and Masters of Science in Environmental Management program as needed. The successful candidate will also be expected to utilize the University’s Wild Basin Wilderness Preserve for teaching and research. Experience with Geographic Information Systems is advantageous. Ph.D. in environmental science, ecology, or a related field is required. Strong commitment to, and potential for excellence in, undergraduate teaching is required. Successful completion of an employment and/or criminal history background check required. More information is available at http://www.stedwards.edu/careers/faculty-openings.

Assistant Position Available at Northern Kentucky University
The Department of Biological Sciences invites applications for a tenure-track Assistant Professor position beginning Fall 2013. Ph.D. or equivalent in Microbiology required. Those with a research background in Bacteriology, Mycology, or Parasitology are especially encouraged to apply. Post-doctoral research and teaching experience are desirable. Candidates should be strongly committed to teaching at the undergraduate level and to actively engaging undergraduate students in laboratory research. Teaching responsibilities will include general microbiology, microbiology for health professionals, general biology, and upper division courses in the applicant’s area of expertise. Candidates should have an interest in developing outreach programs for the public (K - 12 and adult learners). This position will also be eligible to become the Ashland Inc. Distinguished Professor in Integrative Sciences, which includes ¼ reassigned time from teaching each semester for four years (with potential for renewal) and possible annual funding for research. Apply online with a letter of application; brief statement of professional goals; statement of teaching/research philosophy; curriculum vitae; transcripts; and names, addresses, phone numbers, and e-mail addresses of three references at http://jobs.nku.edu/applicants/Central?quickFind=184665. Review of applications will begin immediately and continue until the position is filled. For full consideration applications should be received by October 26, 2012.

Graduate Student Opportunities in Fungal Ecology
The Hynson lab at the University of Hawaii Manoa, Department of Botany is currently recruiting highly motivated, enthusiastic, and well qualified graduate students. We study fungal ecology with an emphasis on plant-fungal interactions such as the mycorrhizal symbiosis. The goal of our research is to deepen current understandings of the importance of plant-fungal interactions in natural environments. We accomplish this through field and laboratory experiments that utilize cutting-edge techniques in molecular ecology and ecophysiology. We are seeking graduate student applicants at the MS and PhD levels with strong backgrounds in ecology and/or fungal biology. For more information on the Hynson Lab and how to apply see: http://www2.hawaii.edu/~nhynson/Hynson_Lab/Welcome.html or contact Nicole Hynson at nhynson@hawaii.edu.

Postdoctoral Position in the Ecology and Epidemiology of Rodent-borne Zoonotic Diseases at University of Aberdeen, UK / Institut Pasteur Madagascar
We are seeking a postdoctoral researcher to join a Wellcome Trust funded project that is examining the environmental and socio-economic risk drivers for rodent-borne zoonoses in Madagascar. The researcher will investigate how environmental factors such as climate, habitat and landscape influence infection prevalence in small mammal communities. In addition, you will use molecular tools to
understand inter-specific and spatial transmission patterns. The pathogens to be studied include plague, hantavirus, Leptospira and Rickettsia. The successful applicant will have expertise in both field work and laboratory assays, and experience of statistical analysis of ecological, epidemiological and/or molecular data (with R or other software). You will be expected to spend significant amounts of time in Madagascar, helping to co-ordinate field and laboratory work. The ability to communicate in French is strongly desirable. The post is for a period of 3 years (starting salary from £30,122 – £32,901 depending on experience), and will be supervised by Dr Sandra Telfer in the Institute of Biological and Environmental Sciences at the University of Aberdeen (http://www.abdn.ac.uk/ibes/). The appointee will join the Evolution and Ecology group (http://www.abdn.ac.uk/ibes/research/ecology). Informal enquiries about this position can be made to Sandra Telfer (s.telfer@abdn.ac.uk). Full details of the post, and the process for online application, can be found at: http://www.abdn.ac.uk/jobs. Job Reference Number: YBS576R. Applications should be submitted by the 24th of October.

Assistant Professor of Biology Georgia Regents University
We invite applications for a tenure-track position at the rank of Assistant Professor to begin in August 2013 in the Department of Biology of Georgia Regents University. Georgia Regents University, which will serve as a research university within the University System of Georgia, will be formed in January 2013 as a result of a consolidation between Augusta State University (ASU) and Georgia Health Science University (GHSU). ASU is a public metropolitan university with the feel of a small liberal arts college located in the heart of historic Augusta, Georgia, while GHSU is the State of Georgia’s only public academic health center. As Georgia Regents University, we will consist of a student body with more than 9000 diverse members and nearly 1200 faculty members committed to providing leadership and excellence in teaching, discovery, clinical care, and service as a student-centered comprehensive research university and academic health center. As a unit in this new research university, our Department of Biology will have both the opportunity and the expectation of developing new undergraduate and graduate programs in the biological sciences. This position will require a Ph.D. in Environmental Science or a closely related field. The successful candidate for this position will be expected to teach courses such as freshman biology, aquatic ecology, hydrology, ecophysiology, and/or other specialized courses in environmental science. Please send via electronic mail a letter of application, curriculum vitae, a statement of your teaching philosophy, a description of your current or proposed research, three letters of reference, and graduate transcripts (unofficial copies are acceptable for initial applicant screening) to: Ms. Brenda Brunk (bbrunk@aug.edu), Administrative Assistant in the Department of Biology. The deadline to apply is November 1, 2012. Georgia Regents University is an Equal Opportunity Employer.

Chair of Biological Sciences, East Tennessee State University
Applications are invited for the position of Chair and Professor of Biological Sciences at East Tennessee State University starting 1 July, 2013. The successful candidate will have an earned doctorate in the life sciences, a demonstrated commitment to both teaching and research, a sustained record of external research funding, a record that qualifies him/her for tenured full professorship, and evidence of strong leadership and administrative abilities. The Department seeks to expand its research productivity and graduate program and to strengthen the undergraduate program. Area of expertise in the life sciences is open. The salary will be commensurate with experience with an excellent benefits package. Please submit an ETSU faculty profile, CV, and statements of teaching, research, service, and leadership philosophy, and three letters of reference at: https://jobs.etsu.edu. Further information may be obtained from the chair of the search committee, Dr. Jim I. Mead, Chair, Department of Geosciences, Box 70357, ETSU, Johnson City, TN 37614; mead@mail.etsu.edu. Review of applications will begin immediately and continue until the position is filled. ETSU is an AA/EO employer.

Assistant Professor of Genome Biology
The Department of Biology at the University of Nevada, Reno seeks to hire a GENOME BIOLOGIST at the assistant professor level, tenure-track. Of particular interest are genomic applications in non-model organisms within the context of behavior, ecology and evolutionary biology. Areas of expertise could include the study of genome structure and function, population and phylogenomics, and epigenetics, including gene-environment interactions. The successful candidate is expected to maintain a nationally
recognized, extramurally funded research program, to train PhD students, and to participate in undergraduate teaching. The Biology Department has 1200 majors, 50 graduate students, 24 state-funded faculty, and averages $4 million/yr in extramural awards. Reno is located in the Sierra Nevada mountains near Lake Tahoe and was recently rated one of the best small cities in the US for outdoor recreation and overall quality of life. Go to https://www.unresearch.com/postings/11500 to submit application materials, including an application letter, CV, research plans, teaching interests, and contact information for three references. Applications received by November 5, 2012 will receive full consideration. The University of Nevada, Reno is committed to Equal Employment Opportunity/Affirmative Action in recruitment of its students and employees and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and sexual orientation. Equal Employment Opportunity/Affirmative Action. Women and underrepresented groups are encouraged to apply.

Tenure - Track Position in Animal Parasitology at Northeastern Illinois University
The Department of Biology at Northeastern Illinois University (NEIU) invites applications for a tenure-track position at the ASSISTANT PROFESSOR level to begin September 2013. We seek a candidate who is using innovative and interdisciplinary approaches that address either basic or applied biological problems through the study of animal parasitic models. Area of specialization is open; interests could include, but are not limited to, medical or wildlife parasitology, disease ecology, environmental health, epidemiology, evolution of parasites, or immunoparasitology. The successful candidate will have a strong commitment to excellence in teaching, experience with and/or a commitment to using and developing innovative teaching methods, and the ability to engage graduate (M.S. level) and undergraduate students in research. Teaching responsibilities will include a survey course in animal parasitology, a course that relates parasites to human health, courses in an area of specialization, and general biology. In addition to teaching and maintaining an active research program, the successful candidate will also be expected to collaborate with NEIU's Student Center for Science Engagement and other NEIU units to enhance our students' preparation for postbaccalaureate studies, and to participate in service to the department, college and university. An earned doctorate in biology, with emphasis in parasitology or a related field is required; teaching experience is desirable, but not required. Send the complete PDF to Biology@neiu.edu.

Ph.D. Assistantship available in Microbial Ecology at Virginia Tech
Microbes mediate many important processes at the ecosystem and global scales, yet approximately 99% of all microbes are not culturable, meaning we know little or nothing about their distribution or role in the environment. Now, however new molecular tools allow us to begin to answer very basic questions in microbial ecology. What microbes are present in a particular habitat? What kind of important or beneficial ecological functions might they provide? By combining new molecular methods with traditional culture based techniques we can seek to gain new insights into these important questions in a variety of habitats. Assistantship support is available for one or two incoming doctoral students focusing on microbial ecology in the Crop & Soil Environmental Sciences Department at Virginia Tech. Support is available to start in either spring or fall semesters of 2013. The Department offers ample resources for student research in environmental microbiology, including extensive laboratory and field equipment, opportunities to collaborate with a wide variety of colleagues within and beyond Virginia Tech, and access to a wide variety of natural and managed ecosystems for study. Students would work under the advisement of Dr. Brian Badgley, with the opportunity to conduct independent research on variety of topics in microbial ecology. Work in the laboratory focuses on the structure and function of microbial populations and communities in environmental matrices such as surface waters, sediment, and soil. Students will use a combination of field work and laboratory techniques such as culturing, genomics, metagenomics, transcriptomics, or genetic fingerprinting. A background in microbiology, ecology, environmental science, or other related field is required. Experience in molecular biology is beneficial but not necessary. Virginia Tech is an equal opportunity/affirmative action institution. Formal application to the graduate program is required as described here: http://www.cses.vt.edu/academicprograms/graduate/index.html, and questions may be sent to badgley@vt.edu.
Assistant Professor of Biology at Bryn Mawr College
The Department of Biology at Bryn Mawr College invites applications for a full-time, beginning tenure-track Assistant Professor position in the area of Genomics to begin on July 1, 2013. We are searching for an individual who takes a genomics approach to biological problems using a combination of bioinformatic, statistical, computational and biological methodologies, and who will thrive in an environment that combines teaching, research and interdisciplinary collaboration. The successful candidate is expected to teach at all levels of the curriculum and establish an externally funded research program that provides rigorous collaborative research projects for undergraduates. Teaching responsibilities include courses in genomics and in the candidate’s area of expertise, as well as involvement in the team-taught introductory biology sequence. A Ph.D. and at least one year of postdoctoral research experience are required. Submit a cover letter, curriculum vitae, research statement and teaching philosophy that includes a short description of potential courses to be offered by October 5, 2012 to Genomics Search Committee, c/o Jodi Jacoby, Department of Biology, 101 N. Merion Avenue, Bryn Mawr, PA 19010. In addition, arrange to have three letters of recommendation sent to the same address.

Assistant Position Available at Lewis & Clark College
The Biology Department at Lewis & Clark College invites applications for a tenure-track assistant professorship in biology to begin Fall 2013; we are willing to consider an appointment at a higher rank for candidates with appropriate experience. Candidates should be committed to excellent teaching and to developing a productive, externally-funded research program involving undergraduates. We seek a colleague with the experience to help us meet our commitment to provide science students from diverse backgrounds with outstanding teaching and mentoring. We invite applications from candidates who can help us achieve this goal, especially those with expertise in any of these areas: genomics, bioinformatics, immunology, physiology, endocrinology, developmental or cell/molecular biology. The successful candidate will teach five semester-long lecture or lab courses each academic year. These courses will include one or more upper division courses in fields related to their specialty, participation in introductory biology, and contributions to the College’s general education program. Ph.D. required, postdoctoral experience preferred. The College currently lacks PHS certification for the care and use of mammals in research, so candidates who study microbes, plants, or non-mammalian animals are preferred. Please submit application materials via Interfolio (https://secure.interfolio.com/apply/14070; click on “apply” to create a free account). Materials should include: letter of application; curriculum vitae; description of research plans; description of teaching/mentoring experience, interests and philosophy; graduate transcripts (unofficial copies are fine); names and contact information for three individuals who will provide letters of recommendation; and representative reprints. Letters of application should clearly address how the candidate’s teaching/research interests and experiences would contribute both to the Biology Department’s program and to the College’s commitment to cultivate diversity in the learning community. Recommenders will be invited to submit their letters via Interfolio. We encourage interested candidates to submit their applications by November 1, 2012; we will review applications as soon as we receive them, and will continue accepting applications until the position is filled. The College conducts background checks on finalists for all positions.

Assistant Professor Position at Kalamazoo College
The Department of Biology at Kalamazoo College invites applications for TWO tenure-track positions at the Assistant Professor level, each to begin September 2013. For one position, we seek a broadly trained Cell Biologist specializing in Immunology or a closely related field. For the other position, we seek a broadly trained Microbiologist. Successful applicants will contribute to the department’s core curriculum in the Cell & Molecular Biology course and/or Evolution & Genetics course, in addition to developing upper level lecture/laboratory courses in their areas of expertise and occasionally offering courses aimed at non-majors. A high aptitude and interest in undergraduate teaching, a commitment to the liberal arts and a desire to establish and maintain an active research program involving undergraduates is expected. Applicants may wish to address their interest in and desire to participate in the college’s Community & Global Health concentration, Biochemistry & Molecular Biology concentration, and/or Shared Passages Seminars. A completed Ph.D. is required and post-doctoral experience is preferred. Candidates for the Immunologist position should submit electronic applications in PDF form to
https://www.kzoo.edu/immunology/search. Three letters of recommendation, addressed to the Biology Search Committee, should be sent in PDF form to immunologysearch@kzoo.edu. Candidates for the Microbiologist position should submit electronic applications in PDF form to https://www.kzoo.edu/microbiology/search. Three letters of recommendation, addressed to the Biology Search Committee, should be sent in PDF form to microbiologysearch@kzoo.edu. For more information, see our home page at http://kzoo.edu/ and departmental web site at https://reason.kzoo.edu/biology/. Kalamazoo College desires applicants who are committed to promoting access and success for all students, and strongly encourages candidates who will contribute to the cultural diversity of the College to identify themselves if they wish. Equal Opportunity Employer.

UNCF MERK Science Initiative
UNCF Merck Science Initiative is currently accepting applications for Undergraduate Research Scholarships, Graduate Science Research Dissertation Fellowships and Postdoctoral Science Research Fellowships. Applications are accepted through December 3, 2012. Apply online at: http://umsi.uncf.org/

Graduate Study Opportunity in Microbial Ecology, Baylor University
Motivated graduate students (Masters or Ph.D.) are encouraged to apply for a position in a new laboratory in the Department of Biology at Baylor University. Research in the lab focuses on the diversity and dynamics of microbial communities along with environmental gradients such as biogeochemical parameters and spatial distribution. Research will involve field work (sampling and survey), lab work (genomic, transcriptomic and geochemical analyses) and computational work (multivariate statistics, geostatistics and statistical modeling). The lab is a part of an active interdisciplinary research effort, Center for Reservoir and Aquatic Systems Research (CRASR, www.baylor.edu/crasr), which will provide active collaboration opportunities with other biologists, geologists, chemists and environmental scientists. Joining students will be fully supported by either teaching assistantship or research assistantship. If interested, please contact Sanghoon Kang at Sanghoon_Kang@baylor.edu.

Graduate Research Opportunities for Fungal Ecology and Evolution in Hawaii
The Amend lab, in the Botany department at the University of Hawaii at Manoa, is recruiting enthusiastic and experienced graduate students for fall 2013. We study the ecology and evolution of fungi, with particular emphasis on those forming diverse communities associated with other organisms on land and in the ocean. To determine both the causes and consequences of these complex assemblages, we use a combination of next-generation sequencing, physiology, greenhouse experimentation and natural history observation within the natural laboratory of our beautiful Islands. Hawaii’s isolation, diverse habitats and spectacular evolutionary radiations create an unparalleled setting in which conduct meaningful theoretical and applied research. Potential applicants are urged to visit Dr. Amend’s webpage for more information about our lab and the application process. http://www2.hawaii.edu/~amend/Site/Home.html

Field Assistants in Plant Disease Ecology (5-6 positions)
EMPLOYER: The University of North Carolina (with the University of Minnesota)
LOCATION: Hopland, CA
JOB DESCRIPTION: We seek assistants to work full time on two NSF-funded projects that use a group of aphid-transmitted viruses and the wild grass species they infect to investigate the dynamics of generalist, vector-borne pathogens. Employment will extend from early February through June 2013 at the University of California’s Hopland Research and Extension Center: http://ucanr.org/sites/hopland/ Work is primarily in the field with occasional duties in the greenhouse and lab. Responsibilities include collecting plant samples for biological and chemical lab assays, surveying aphid populations and enemy damage on plants, estimating plant species abundances via percent cover, weeding experimental plots, propagating plants in the greenhouse, and measuring plant physiological traits. Flexible work hours and some weekends required. Start and end dates are moderately flexible. Dorm housing and on-site transportation is provided, but assistants are responsible for their own transportation to the site. This is a great opportunity to participate in and learn about basic ecological and epidemiological research. Interested
assistants can receive scientific and career mentoring, and past field assistants have gone on to permanent positions and graduate school.
Website: http://labs.bio.unc.edu/Mitchell/ResearchFrontpage.htm

QUALIFICATIONS: Required: Outdoor research experience, especially field work with plants, insects, or microbes. Willingness and ability to work outdoors under a wide range of weather conditions (daytime temperatures range from 45-95°F, and rain is common), and to perform mildly strenuous field work for extended periods (up to 9 hours).

Especially essential is a demonstrated ability to work collaboratively as part of a team and to interact respectfully in a communal living setting. Preferred: BA or BS degree, with coursework in ecology/botany. Valid driver’s license. Experience measuring photosynthesis/using IRGAs; experience measuring soil nutrients. Familiarity with California flora.

TO APPLY: Please send a brief cover letter, a CV or resume, and contact information for at least two references by email to the address below. Review of applications will begin in late October, and continue until filled.
SALARY: $10.61/hr, on-site housing included
LAST DATE TO APPLY: 15 November 2012 (rolling)
CONTACT: Miranda Welsh
Email: panda@live.unc.edu (preferred)
Phone: 919-357-7833

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

The target populations are African-Americans, Latino-Americans, Native Americans, Alaska natives, and Pacific Islanders; however, all ASM members are invited to sign up and to share this information with others who may find this e-newsletter beneficial.

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 Department of Biomedical Sciences in Hamden, CT. The Minority Microbiology Mentor Editor-in-Chief is Dr. Floyd Wormley, 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.