

TÍTULO DE LA ACCIÓN	Evolution of Infectious Diseases (R01)
CÓDIGO IDENTIFICATORIO DE LA ACCIÓN	Program Announcement (PA) Number: PA-07-130
FECHA DE PUBLICACIÓN	Release/Posted Date: December 8, 2006
FECHA DE CIERRE DE SOLICITUDES	Opening Date: January 5, 2007 (Earliest date an application may be submitted to Grants.gov) NOTE: On time submission requires that applications be successfully submitted to Grants.gov no later than 5:00 p.m. local time (of the applicant institution/organization). Application Submission/Receipt Date(s): Standard dates apply, please see http://grants1.nih.gov/grants/funding/submissionschedule.htm Peer Review Date(s): Standard dates apply, please see http://grants1.nih.gov/grants/funding/submissionschedule.htm#reviewandaward Council Review Date(s): Standard dates apply, please see http://grants1.nih.gov/grants/funding/submissionschedule.htm#reviewandaward Earliest Anticipated Start Date(s): Standard dates apply, please see http://grants1.nih.gov/grants/funding/submissionschedule.htm#reviewandaward Additional Information To Be Available Date (URL Activation Date): Not Applicable Expiration/Closing Date: October 2, 2010
ORGANISMO CONVOCANTE	National Institutes of Health (NIH), (http://www.nih.gov). National Institute of General Medical Sciences (NIGMS), (http://www.nigms.nih.gov/)
TEMÁTICA	The purpose of the announcement is to encourage research on the evolutionary principles that underlie the emergence, spread, and containment of infectious disease. An explicit goal of the announcement is to stimulate interdisciplinary research between (a) quantitative and computational sciences and (b) experimental, clinical, or field studies. Approaches might include, but are not limited to, evolutionary biology, microbiology, population dynamics, immunology, and computational modeling. The focus of this program is limited to discovery of fundamental biological principles rather than to detailed knowledge or treatment of specific diseases.
SUBTEMÁTICA	Research applications submitted in response to this announcement may propose to study: <ul style="list-style-type: none"> ?? human or non-human pathogens ?? in vivo or in vitro systems ?? microbial, animal, or plant models ?? simulated or computational models Relevant applications could focus on, but are not limited to, experimental and theoretical research in the following subject areas: <ol style="list-style-type: none"> 1. Evolution and natural history of pathogens <ul style="list-style-type: none"> ?? Evolution of the genetic architecture and diversity of pathogen populations ?? Population dynamics affecting the frequencies and distributions of pathogen subtypes ?? The effects of stochastic processes on emergence ?? Studies of scale-dependent and scale-free effects ?? Phylogenetic research, including transfer of genetic information among populations, for the purpose of elucidating the causes, sources, and dynamics of infectious diseases ?? Evolutionary basis for the range of pathogen habitats and hosts ?? Molecular evolution of host barriers that prevent infection, spread, and transmission ?? Molecular, individual, and population dynamics of extending the niche or host range of a pathogen. 2. Infectious disease systems <ul style="list-style-type: none"> ?? Contribution of population dynamic, stochastic, and evolutionary processes to the emergence and properties of infectious diseases ?? Fitness components related to the dynamics of infection ?? Methods for inferring selection in pathogens and hosts ?? Mathematical and computational analyses and representations of evolutionary processes in infectious disease systems ?? Systems that generate and maintain genetic variation in pathogen and host populations,

	<p>including co-evolutionary dynamics</p> <p>3. Consequences of intervention strategies.</p> <ul style="list-style-type: none"> ?? Within-host population dynamics ?? Evolution of mechanisms of antibiotic action and resistance ?? Use of evolutionary approaches to create new strategies for drug development and delivery ?? Long-term evolutionary consequences of vaccines, anti-virals, antimicrobials, or other intervention strategies
PECULIARIDADES	<p>Cost Sharing or Matching</p> <p>This program does not require cost sharing as defined in the current NIH Grants Policy Statement.</p>
CONDICIONES DE PARTICIPACIÓN	<p>Eligible Institutions</p> <p>You may submit an application(s) if your institution/organization has any of the following characteristics:</p> <ul style="list-style-type: none"> ?? Public/State Controlled Institution of Higher Education ?? Private Institution of Higher Education ?? State Government ?? U.S. Territory or Possession ?? Indian/Native American Tribal Government (Federally Recognized) ?? Indian/Native American Tribal Government (Other than Federally Recognized) ?? Indian/Native American Tribally Designated Organization ?? Non-domestic (non-U.S.) Entity (Foreign Organization) ?? Hispanic-serving Institution ?? Historically Black Colleges and Universities (HBCUs) ?? Tribally Controlled Colleges and Universities (TCCUs) ?? Alaska Native and Native Hawaiian Serving Institutions ?? Regional Organization ?? Other(s): Eligible agencies of the Federal government; Faith-based or community based organizations <p>Eligible Individuals</p> <p>Any individual(s) with the skills, knowledge, and resources necessary to carry out the proposed research as the PD/PI is invited to work with his/her organization to develop an application for support. Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NIH support.</p> <p>conduct of the project or program, including the submission of required reports.</p> <p>More than one PD/PI, or multiple PDs/Pis, may be designated on the application for projects that require a "team science" approach that clearly does not fit the single-PD/PI model. Additional information on the implementation plans and policies and procedures to formally allow more than one PD/PI on individual research projects is available at http://grants.nih.gov/grants/multi_pi. All PDs/Pis must be registered in the NIH eRA Commons prior to the submission of the application (see http://era.nih.gov/ElectronicReceipt/preparing.htm for instructions).</p>
AVANCE SOBRE FINANCIACIÓN	<p>Funds Available</p> <p>Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. Although the financial plans of the Institutes and Centers (ICs) provide support for this program, awards pursuant to this funding opportunity are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications.</p> <p>NIH grants policies as described in the NIH Grants Policy Statement will apply to the applications submitted and awards made in response to this FOA.</p> <p>F&A costs requested by consortium participants are not included in the direct cost limitation. See NOT-OD-05-004, November 2, 2004.</p>
LIMITACIONES A LA PARTICIPACIÓN	<p>Foreign Organizations (Non-domestic (non-U.S.) Entity)</p> <p>NIH policies concerning grants to foreign (non-U.S.) organizations can be found in the <i>NIH Grants Policy Statement</i> at: http://grants.nih.gov/grants/policy/nihgps_2003/NIHGPs_Part12.htm#_Toc54600260.</p>

	<p>Applications from foreign organizations must:</p> <ul style="list-style-type: none"> ?? Request budgets in U.S. dollars. ?? Prepare detailed budgets for all applications (that is, complete the Research & Related Budget component of the SF424 – not the PHS398 Modular Budget component). See NOT-OD-06-096. ?? Charge back of customs and import fees is not allowed. ?? Format: Every effort should be made to comply with the format specifications, which are based upon a standard U.S. paper size of 8.5" x 11" within each PDF. ?? Funds for up to 8% administrative costs (excluding equipment) may be requested. See NOT-OD-01-028, March 29, 2001. ?? Organizations must comply with Federal/NIH policies on human subjects, animals, and biohazards. ?? Organizations must comply with Federal/NIH biosafety and biosecurity regulations. See Section VI.2., "Administrative and National Policy Requirements." <p>Proposed research should provide special opportunities for furthering research programs through the use of unusual talent, resources, populations, or environmental conditions in other countries that are not readily available in the United States or that augment existing U.S. resources.</p>
<p>ACCESO FORMULARIOS</p>	<p>Request Application Information</p> <p>Applicants must download the SF424 (R&R) application forms and the SF424 (R&R) Application Guide for this FOA through Grants.gov/Apply.</p> <p>Note: Only the forms package directly attached to a specific FOA can be used. You will not be able to use any other SF424 (R&R) forms (e.g., sample forms, forms from another FOA), although some of the "Attachment" files may be useable for more than one FOA.</p> <p>For further assistance, contact GrantsInfo: Telephone 301-435-0714, Email: GrantsInfo@nih.gov.</p>
<p>INFORMACIÓN PERSONALIZADA</p>	<p>We encourage your inquiries concerning this funding opportunity and welcome the opportunity to answer questions from potential applicants. Inquiries may fall into three areas: scientific/research, peer review, and financial or grants management issues:</p> <p>1. Scientific/Research Contact(s): Irene Anne Eckstrand, Ph.D. Division of Genetics and Developmental Biology National Institute of General Medical Sciences Building 45, Room 2AS.25K 45 Center Drive Bethesda, MD 20892 Telephone: (301) 594-0943 Email: eckstrai@mail.nih.gov</p> <p>2. Peer Review Contact(s): Not applicable.</p> <p>3. Financial/Grants Management Contact(s): Ms. Marcia Cohn Grants Management Branch National Institute of General Medical Sciences Building 45, Room 2AN.50E 45 Center Drive Bethesda, MD 20892 Telephone: (301) 594-3918 Email: cohnm@mail.nih.gov</p>
<p>LINK INFORMATIVO</p>	<p>http://grants.nih.gov/grants/guide/pa-files/PA-07-130.html#SectionIII para información general sobre la convocatoria.</p>