

Interdisciplinary Faculty Initiative Call for Proposals 2010-11

Introduction

President Mary Sue Coleman and Provost Philip J. Hanlon are pleased to announce the call for the fourth round of interdisciplinary faculty initiative proposals. This initiative will create 100 new tenure-track positions at the University of Michigan – Ann Arbor. The positions are designated for faculty members whose research and teaching interests are interdisciplinary. The goals of the initiative are to enhance the University's ability to engage emerging research opportunities and to increase tenure-track faculty involvement with the University's teaching mission. In the 2008 – 2010 rounds, 72 faculty positions in 17 clusters received funding approval.

General Information

All schools and colleges on the Ann Arbor campus are eligible to submit proposals to the initiative.

There is no limit to the number of positions a unit can submit, either alone or in collaboration with another school or college. Faculty members should contact their department chair, associate dean, or dean for information about school-level processes or reviews prior to submission of proposals to the provost's office.

A proposal may request one or more faculty positions. Cluster hires are strongly encouraged, although proposals for single hires will be considered. Proposals that build on or are linked to proposals funded in earlier rounds of competition will also be considered. Proposals should make the case for a position or set of positions in a particular area. They should not be focused on particular candidates nor should they include information such as names or CVs of likely candidates.

Positions may be at any level on the tenure track. Proposed positions for faculty not yet tenured may not be budgeted as joint appointments. A dry appointment in a second area is acceptable. Proposed positions for tenured faculty may be joint appointments and/or include dry appointments. All positions should be full-time, except that developmental leaves may be included in the probationary period (i.e., until the time of the tenure decision). Proposals submitted in previous rounds of the initiative can be submitted again.

Proposals may request salary and benefits as well as an appropriate start-up package consisting of equipment and renovations. The proposing school or college must commit space, any additional elements of a start-up package, and merit increases. Summer support, research assistant support, post-doctoral scholar support, moving costs, and similar items will not be funded by the initiative. Hiring departments will be responsible for the costs of faculty searches. Salary and benefit support of up to \$100,000 will be provided to the hiring units until such time as the faculty member leaves the University. At that time, salary and benefit funds will revert to the provost's office.

Proposal Submissions

Letter of Intent – All faculty members thinking of submitting a proposal to the interdisciplinary faculty initiative are strongly encouraged to submit a one-page letter of intent. The letter should include:

- 1) the expected title of the proposal
- 2) a list of the participating departments/schools/ colleges
- 3) a brief description of the interdisciplinary area that will be the focus of the proposal

The letter of intent (no more than one page) should be sent as a PDF by Friday, November 5, 2010 to Sharron Schmidt (sharrons@umich.edu) in the Office of the Provost.

The letters of intent will facilitate the formation of an appropriate faculty review committee and will allow planning that takes into account the number of proposals expected. The deans of all schools and colleges that would be part of a proposal should be copied on the letter of intent.

Proposal Requirements - Proposals for cluster hires are encouraged, although proposals for single hires will be considered as well. All proposals should include the following:

Cover Page that includes:

- 1) proposal title and proposed field(s) of hire
- 2) name, academic unit(s) (department/school), and contact information for faculty member(s) taking the lead in the proposal
- 3) name(s) of key collaborators in other departments/schools/colleges
- 4) signatures of the department chairs and deans of all units that are proposing positions
- 5) date of submission to the provost's office

Rationale (three to four pages) – Proposals should include a rationale for hiring in the selected area. Discussion should include information about the importance of the field; the appropriateness of the field to University of Michigan interests/strengths; discussion of the likely impact of the proposed hires on undergraduate and graduate education; as well as consideration of the likely impact on the academic world, the state of Michigan, and the larger community. Proposals for cluster hires should indicate how the proposed positions will interact.

Position Description (one to two pages per position) – This section should focus on how the positions requested will further the field of study described in the preceding section on rationale. Consideration should be given to both teaching and research. Specific information about likely courses the new faculty members would teach, research or performance groups they might join, etc., is encouraged. Information about any possible dry appointment should be included here as well.

Mentoring Plan (one page per position) – For positions for faculty not yet tenured, this section should clearly delineate plans for mentoring within the hiring department and through the collaborating units. If a cluster hire is proposed, mentoring for the cluster should be discussed as well. Specific information such as which senior faculty will be involved, which journals would be appropriate for publication in the interdisciplinary field, etc., should be included.

For tenured faculty positions, this section should include information about the role the faculty member will play in mentoring junior faculty members who are part of the proposed cluster and/or other faculty members.

Institutional Collaboration (one-half page per position) – This section should include information about how the units involved in the hire(s) will collaborate to support faculty in professional development (research and teaching) and how they will interact in the tenure review process for junior faculty positions being proposed.

Potential Applicant Pool (one-half page per position) - The strength and diversity of the likely applicant pool should be reviewed, including discussion of institutions from which to recruit (e.g., universities, think-tanks, government research labs, creative centers, cultural organizations, etc.).

Search Process (one-half page) – This section should describe the search process, indicating how hiring units will reach interdisciplinary candidates and how departments/schools/colleges will collaborate on candidate reviews and campus visits. (Note that when proposals are funded, the search committees will be expected to participate in STRIDE (Strategies and Tactics for Recruiting to Improve Diversity and Excellence) training offered by the UM ADVANCE Program.)

Budget (one page per position) - Proposals should include salary and benefit costs for each faculty position requested. Proposals may include funding requests for an appropriate start-up package consisting of equipment and renovations as well. (See “General Information” above for budget items that should not be included in the proposal.)

Space (one-half page per position) - Proposals should include a description of the specific space(s) that will be provided for faculty funded through the interdisciplinary faculty initiative.

Submission and Review Process

Proposals may be submitted to the provost’s office beginning Monday, January 3, 2011. The deadline for all proposals is 5:00 p.m. on Friday, January 21, 2011. Proposals should be submitted as a PDF to Sharron Schmidt at sharrons@umich.edu. Questions about proposal preparation and submission can also be directed to Ms. Schmidt using this email address.

A committee of distinguished University of Michigan faculty members will review proposals. The committee will provide advice to the president and provost who will make the funding decisions. The funded proposals will be announced by mid-May 2011.

May 2011

Adolescent Substance Use and Abuse
Medical School
School of Public Health
School of Social Work
Four faculty positions
Faculty Lead: John Traynor

Children in Poverty
School of Education
School of Public Policy
School of Social Work
Three faculty positions
Faculty Leads: Sandra Danziger, Susan Dynarski and
Sheldon Danziger

Distributed Health Technologies
College of Engineering
School of Dentistry
Medical School
Three faculty positions
Faculty Lead: Sunitha Nagrath

Diversity and Complexity of Biological Networks
College of Literature, Science, and the Arts
Medical School
School of Public Health
Five faculty positions
Faculty Lead: Mercedes Pascual

Sustainable Energy and Climate Change Impacts:
Integrated Assessment and Modeling

May 2010

Computational Media for Interactive Systems
A. Alfred Taubman College of Architecture and Urban
Planning
College of Engineering
School of Art and Design
School of Music, Theatre, and Dance
Five faculty positions
Faculty Lead: Satinder Singh Baveja

Genes, Environment and Behavior (GEB)
College of Literature, Science, and the Arts
Medical School
Five faculty positions
Faculty Leads: Dr. Henry L. Paulson and Martin Sarter

The Mediterranean Perspective on Global History and
Culture
A. Alfred Taubman College of Architecture and Urban
Planning

College of Engineering
School of Natural Resources and Environment
Two faculty positions
Faculty Leads: Joyce Penner

Sustainable Food Systems
Taubman College of Architecture and Urban Planning
Ross School of Business
College of Literature, Science, and the Arts
School of Natural Resources and Environment
School of Public Health
Five faculty positions
Faculty Leads: John Vandermeer

Sustainability and Behavior
Taubman College of Architecture and Urban Planning
School of Natural Resources and Environment
School of Public Policy
Three faculty positions
Faculty Leads: Arun Agrawal, Jonathan Levine and Carl
Simon

Urban Studies: Social Inequality and the Prospects of
Equity and Sustainability in Southeastern Michigan
Taubman College of Architecture and Urban Planning
College of Literature, Science, and the Arts
School of Social Work
Four faculty positions
Faculty Leads: Angela Dillard

College of Literature, Science, and the Arts
Four faculty positions
Faculty Lead: Michele Hannoosh

Rehabilitation Robotics
College of Engineering
Medical School
School of Kinesiology
Four faculty positions
Faculty Lead: Daniel Ferris

Reproductive Sciences
College of Engineering
Medical School
Five faculty positions
Faculty Leads: Dr. Timothy Johnson, Dr. Bishr Omary, and
Dr. Gary D. Smith

May 2009

Digital Environments
School of Information
College of Literature, Science, and the Arts
Four faculty positions
Faculty Lead: Gregory Dowd

Environment, Information, and Sustainable Development:
The Asia-Africa Nexus
School of Information
College of Literature, Science and the Arts
School of Natural Resources and Environment
Four faculty positions
Faculty Lead: Paul N. Edwards

Financial Markets
Ross School of Business
Law School
College of Literature, Science, and the Arts
Ford School of Public Policy
Four faculty positions

Faculty Lead: Susan Collins

Multiscale Cell Mechanics
College of Engineering
Medical School
Five faculty positions
Faculty Lead: Krishna Garikipati

Petascale Computing
College of Engineering
College of Literature, Science, and the Arts
Four faculty positions
Faculty Lead: Sharon Glotzer

Sustainable Built Environment
Taubman College of Architecture and Urban Planning
College of Engineering
School of Natural Resources and Environment
Three faculty positions
Faculty Lead: Nancy G. Love

April 2008

Data Mining, Learning, and Discovery with Massive
Datasets
College of Engineering
College of Literature, Science, and the Arts
Five faculty positions
Faculty Lead: Douglas Richstone

Energy Storage
College of Engineering
College of Literature, Science and the Arts
School of Natural Resources and Environment
Five faculty positions
Faculty Lead: Gary Was

Global Change: Cryosphere and Sea-Level Impacts
College of Engineering
College of Literature, Science, and the Arts
Three faculty positions
Faculty Lead: Christopher Poulsen

Global HIV/AIDS
College of Literature, Science, and the Arts
Medical School
School of Nursing
Five faculty positions
Faculty Lead: Valerie Traub

Microbial Ecology: Relationships to Human and
Environmental Health
College of Literature, Science, and the Arts
Medical School
School of Public Health
Four faculty positions
Faculty Lead: Deborah Goldberg

Social Science and Energy
College of Literature, Science and the Arts
Gerald R. Ford School of Public Policy
Three faculty positions
Faculty Lead: Carl Simon

Faculty Review Committee 2010

Professor Mark Banaszak Holl
Professor of Chemistry and
Professor of Macromolecular Science and Engineering

Professor Steven Ceccio – Chair
Professor of Mechanical Engineering and
Professor of Naval Architecture and Marine Engineering

Dr. John Greden
Executive Director, UM Depression Center and
Professor of Psychiatry

Professor Ian Hiskens
Vennema Professor of Engineering and
Professor of Electrical Engineering and Computer Science

Ms. Barbara MacAdam
Associate University Librarian for Public Services
University Library

Dr. Juanita Merchant
H. Marvin Pollard Professor of Gastrointestinal Sciences,
Internal Medicine and Molecular and Integrative Physiology

Professor Laurel Northouse
Mary Lou French Professor of Nursing

Professor Carla O'Connor
Associate Professor of Education and
Arthur F. Thurnau Professor

Professor Cynthia Pachikara
Associate Professor of Art and Design and
Associate Professor of Architecture

Professor Barry Rabe
Professor of Public Policy and
Professor of Environmental Policy

Professor Rebecca Scott
Charles Gibson Distinguished University Professor of History and
Professor of Law

Professor Dawn Tilbury
Professor of Mechanical Engineering

Professor June Manning Thomas
Centennial Professor of Urban and Regional Planning

Professor Beth Yakel
Associate Professor of Information

Professor Donald Zak
Burton V. Barnes Collegiate Professor of Natural Resources and Environment

Faculty Review Committee 2009

Professor Steven Ceccio
Professor of Mechanical Engineering and Associate Vice President for Research

Professor Olivia Frost
Professor of Information

Professor Daniel Herwitz – Co-Chair
Professor of History of Art, Philosophy, Comparative Literature, and
Art & Design Director, Institute for the Humanities

Professor Andrew Hoffman
Holcim (US) Professor of Sustainable Enterprise

Professor Michael Kennedy
Professor of Sociology and
Weiser Professor of European and Eurasian Studies

Professor Raoul Kopelman
Richard Smalley Distinguished University Professor of Chemistry

Ms. Barbara MacAdam
Associate University Librarian for Public Services

Dr. Ben Margolis – Co-Chair
Professor of Internal Medicine and Biological Chemistry

Professor Peggy McCracken
Professor of French and Women's Studies and
Associate Dean for Academic Programs and Initiatives, Rackham School of Graduate Studies

Dr. Miriam Meisler
Professor of Human Genetics

Dr. Sofia Merajver
Professor of Internal Medicine

Professor Joyce E. Penner
Ralph J. Cicerone Distinguished University Professor of Atmospheric, Oceanic, and Space Sciences

Professor Yu Xie
Otis Dudley Duncan Professor of Sociology and Statistics

Faculty Review Committee 2008

Professor Steven Ceccio
Professor of Mechanical Engineering and
Associate Vice President for Research

Professor Linda M. Chatters
Professor of Health Behavior and Health Education
and Professor of Social Work

Professor Michael D. Cohen
William D. Hamilton Collegiate Professor of Complex Systems, Information, and Public Policy

Professor W. Reynolds Farley
Professor Emeritus of Sociology

Professor Jane F. Fulcher
Professor of Music

Professor Susan A. Gelman
Frederick G.L. Huetwell Professor of Psychology

Professor Daniel A. Herwitz
Director, Institute for the Humanities
Professor of History of Art, Philosophy, and Comparative Literature and
Professor of Art

Ms. Barbara A. MacAdam
Associate University Librarian for Public Services
University Library

Professor Dana M. Muir
Professor of Business Law

Professor Benjamin L. Margolis
Professor of Biological Chemistry and Internal Medicine

Professor Pamela A. Raymond- Chair
Steven S. Easter Collegiate Professor of Molecular, Cellular, and Developmental Biology

Professor Ann Marie Sastry
Professor of Biomedical Engineering, Materials Science Engineering, and
Mechanical Engineering

Professor Michael D. Thouless
Professor of Materials Science and Engineering and
Mechanical Engineering