



## FACULTY POSITION IN MATHEMATICAL SCIENCES

*searching for Postdoctoral Fellow*

### **about IUPUI and Indianapolis**

Indiana University-Purdue University Indianapolis is an outstanding research university—a 21<sup>st</sup> century model for urban higher education. With more than 185 academic programs—from associate to doctoral and professional degrees—IUPUI offers the most comprehensive range of programs in the state, educates more than 30,000 students, and attracts more external research funding than any other university campus in Indiana.

IUPUI is located just west of downtown Indianapolis, with easy access to city and state centers of government, business and the arts. Amenities including restaurants, sports venues, parks, galleries, and museums, and a zoo are within walking distance of the campus.

With 1.5 million people living in its metropolitan area, Indianapolis is the 12th largest city in the U.S. with the sixth largest African-American population in the Midwest and a growing Latino population. The city's cost of living index is 93.4, significantly below the nation's average of 100.

### **about the SCHOOL OF SCIENCE**

The School of Science at IUPUI is a forward-looking unit that conducts academic programs, research and professional service of the highest quality. The School consists of a central administrative unit and seven degree-granting departments including Biology, Chemistry, Computer and Information Science, Geology, Mathematical Sciences, Physics and Psychology.

The Department of Mathematical Sciences at IUPUI invites applications for a postdoctoral position in Quantitative Methods in the Proteomics and Genomics Research Group at the IUPUI Signature Center for Mathematical Biosciences. The Center provides a mechanism and an environment that fosters collaborative research activities across the mathematical sciences and the life and health sciences schools at Indiana University-Purdue University Indianapolis (IUPUI) specifically with the Indiana University School of Medicine (IUSOM). The postdoctoral fellow will join a collaborative effort to develop analytical and computational models of MS-based proteomics and their clinical applications.

**Qualifications:** Applicants should have a Ph.D. in mathematics/statistics, computer sciences, mathematical biology/physics, or a related area. A background in statistical/computational methods for proteomics and/or genomics and/or metabolic would be beneficial. Strong quantitative and computational skills, as well as excellent communication skills are required.

**How to Apply:** Applicants should send a letter of interest, curriculum vitae, brief statement on research and three letters of reference to: Dr. Ben Boukai at [bboukai@math.iupui.edu](mailto:bboukai@math.iupui.edu). All applications will be considered until position is filled; the start date is negotiable.

IUPUI is Indiana's urban research and academic health sciences campus, and the focal point of the Indiana Life Sciences Initiative. The Department, with a faculty of 45, offers programs of study leading to Purdue University B.S., M.S., and Ph.D. degrees in pure and applied mathematics, including an M.S. in Applied Statistics and a B.S. in Mathematics with Actuarial Science concentration. The Department also offers a Ph.D. degree in biostatistics in collaboration with the IU School of Medicine. Current areas of research strength in the Department include mathematical physics and integrable systems, dynamical systems, operator algebras and non-commutative geometry, differential geometry, mathematical neuroscience and biomathematics, scientific computing, and applied statistics.

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IUPUI is an Equal Opportunity/Affirmative Action Institution. Individuals who require a reasonable accommodation in order to participate in the application process must notify Patti Holt at 402 N. Blackford Street, LD 270, Indianapolis, Indiana 46202 or call (317) 274-6920, a reasonable time in advance. IUPUI strongly encourages applications from women and underrepresented minorities. Additional information about IUPUI and the Department is available at [www.iupui.edu](http://www.iupui.edu) and [www.math.iupui.edu](http://www.math.iupui.edu).