Medical College of Wisconsin
Graduate School of Biomedical Sciences
Division of Biostatistics

Program Overview
Founded in 1893, the College became the Marquette University School of Medicine in 1913. It was reorganized in 1967 as an independent corporation and renamed the Medical College of Wisconsin in 1970. There are more than 1,300 faculty members. MCW is part of the Milwaukee Regional Medical Complex (MRMC) campus. Full-time students in any department may enroll in graduate courses in other departments and in programs of the University of Wisconsin–Milwaukee and Marquette University without any increase in tuition. The Division of Biostatistics offers a Ph.D. degree program designed for students with strong undergraduate preparation in mathematics and trains students in biostatistical methodology, theory, and practice. Emphasis is placed on sound theoretical understanding of statistical principles, research in the development of applied methodology, and collaborative research with biomedical scientists and clinicians. In addition, students gain substantial training and experience in statistical computing and in the use of software packages. Courses in the program are offered in collaboration with the Department of Mathematics at the University of Wisconsin–Milwaukee. The degree requirements, including dissertation research, are typically completed in five years beyond a bachelor’s degree.

Research
Faculty members are engaged in a number of collaborative research projects at the Center for International Blood and Marrow Transplant Research, the Clinical and Translational Science Institute, the Center for Patient Care and Outcomes Research, the Human and Molecular Genetics Center, the Clinical Cancer Center, and Marquette University.

Faculty
- **Kwang Woo Ahn**, Assistant Professor, PhD, University of Iowa. [http://www.mcw.edu/biostatistics/Faculty/Faculty/KwangWooAhnPhD.htm](http://www.mcw.edu/biostatistics/Faculty/Faculty/KwangWooAhnPhD.htm)

- **Ruta Bajorunaite**, Assistant Professor, PhD, Medical College of Wisconsin. [http://www.mcw.edu/biostatistics/Faculty/Faculty/RutaBajorunaitePhD.htm](http://www.mcw.edu/biostatistics/Faculty/Faculty/RutaBajorunaitePhD.htm)

- **John P. Klein**, Professor and Director, PhD, University of Missouri. [http://www.mcw.edu/biostatistics/Faculty/Faculty/JohnPKleinPhD.htm](http://www.mcw.edu/biostatistics/Faculty/Faculty/JohnPKleinPhD.htm)

- **Purushottam (Prakash) W. Laud**, Professor, PhD, University of Missouri. [http://www.mcw.edu/biostatistics/Faculty/Faculty/PrakashLaudPhD.htm](http://www.mcw.edu/biostatistics/Faculty/Faculty/PrakashLaudPhD.htm)
• Jennifer Le-Rademacher, Assistant Professor, PhD, University of Georgia.
  http://www.mcw.edu/biostatistics/Faculty/Faculty/JenniferLeRademacherPhD.htm

• Jessica Pruszynski, Assistant Professor, PhD, Baylor University
  http://www.mcw.edu/biostatistics/Faculty/Faculty/JessicaPruszynskiPhD.htm

• Brent R. Logan, Associate Professor, PhD, Northwestern University.
  http://www.mcw.edu/biostatistics/Faculty/Faculty/BrentLoganPhD.htm

• Aniko Szabo, Associate Professor and Director of the Biostatistical Consulting Center, PhD, University of Memphis.
  http://www.mcw.edu/biostatistics/Faculty/Faculty/AnikoSzaboPhD.htm

• Sergey Tarima, Assistant Professor, PhD, University of Kentucky.
  http://www.mcw.edu/biostatistics/Faculty/Faculty/SergeyTarimaPhD.htm

• Tao Wang, Associate Professor, PhD, North Carolina State University.
  http://www.mcw.edu/biostatistics/Faculty/Faculty/TaoWangPhD.htm

• Mei-Jie Zhang, Professor, PhD, Florida State University.
  http://www.mcw.edu/biostatistics/Faculty/Faculty/MeiJieZhangPhD.htm

Adjunct Faculty (University of Wisconsin-Milwaukee and Marquette University)

• Jay Beder, Professor, PhD, George Washington University.
  https://pantherfile.uwm.edu/beder/www/

• Vytautas Brazauskas, Associate Professor, PhD, University of Texas-Dallas.
  https://pantherfile.uwm.edu/vytaras/www/

• Daniel Gervini, Associate Professor, PhD, University of Buenos Aires.
  https://pantherfile.uwm.edu/gervini/www/

• Jugal Ghorai, Professor, PhD, Purdue University.
  https://pantherfile.uwm.edu/jugal/www/

• Eric Key, Professor, PhD, Cornell University.
  http://www.uwm.edu/~erickey/

• Tom O'Bryan, Associate Professor, PhD, Michigan State University.

• Dan Rowe, Associate Professor, PhD, University of California-Riverside.
  http://www.mscs.mu.edu/mscs/faculty/rowe.html

• Gil Walter, Professor Emeritus, PhD, University of Wisconsin.
  https://pantherfile.uwm.edu/ggw/www/
Graduate Student Experience

Location
Milwaukee has long been noted for its old-world image. Its many ethnic traditions, especially from Middle Europe, give the city this distinction. Cultural opportunities are numerous and include museums, concert halls, art centers, and theaters. Milwaukee has a well-administered government, a low crime rate, and excellent schools. It borders Lake Michigan and lies within commuting distance of 200 inland lakes. Outdoor activities may be pursued year-round.

Living and Housing Costs
Many rental units are available in pleasant residential neighborhoods surrounding the Medical College. Housing costs begin at about $550 per month for shared apartment.

Student Group
There are 525 degree-seeking graduate students, 715 residents and fellows, and 796 medical students at the Medical College. A low student-faculty ratio fosters individual attention and a close working relationship between students and faculty members.

Future Employment Opportunities, Alumni Achievements
Alumni of the MCW Biostatistics are typically employed in academia and biomedical sciences. Alumni are employed at Georgia State University, Johns Hopkins University, University of Pittsburgh, the Medical College of Wisconsin, GlaxoSmithKline, Takeda Global Research and Development, and Teva Pharmaceuticals to name a few.

Tuition/Scholarships/Financial Aid
Students are supported by fellowships for the first 18 months and then by research assistantships. Each includes tuition, stipend, and health insurance. The stipend for 2008–09 was $25,750 per year. The research assistantships provide students with the opportunity to gain experience in statistical consulting and collaborative research.

Application:
Prerequisites include an undergraduate degree in mathematics or closely related fields, an overall grade point average of B or better, B average or better in mathematics and science, and an average of 60th percentile score on the quantitative and verbal sections of the GRE. Foreign students are also required to submit their TOEFL score. The application deadline is February 15th but students are encouraged to submit applications by early January.
Rankings
The College ranks in the top 34% of U.S. medical schools in National Institute of Health research funding.

Student Research
Dissertation research topics in statistical methodology often evolve from the faculty collaborative research projects, and students usually become coauthors on professional periodicals. The Division of Biostatistics has up-to-date networks of Sun workstations, PCs, and peripherals. The Division’s network is equipped with all leading statistical software and tools needed for the development of statistical methodology. Students are afforded access to multiple library collections to include MCW, the University of Wisconsin–Milwaukee, and the Division of Biostatistics. The Epidemiology Data Service provides access to national data on health, health care and special clinical data sets collected locally. The Medical College is a repository for the National Center for Health Statistics. The Biostatistics program also houses the Biostatistics Consulting Service, which affords students the opportunity to experience extensive biomedical research.

CONTACT INFORMATION:
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APPLICATION FORMS AND INFORMATION:
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