
**University of Wisconsin Hospital and Clinics
Residency Programs**



2009-2010

Pharmacy Services UW Hospital and Clinics

The University of Wisconsin Hospital and Clinics is an integrated health system consisting of University Hospital, Unity Health Plans, and Chartwell of Wisconsin Home IV Therapy service.

University of Wisconsin Hospital and Clinics (UWHC <http://www.uwhealth.org>) is a 471-bed, tertiary-care teaching facility, located on the edge of the University of Wisconsin-Madison campus. The hospital is equipped with the most advanced facilities to provide extensive inpatient, emergency, ambulatory, and home care services. UW Hospital and Clinics has been long recognized as a national leader in many specialized fields of health care including critical care, cardiology, hematology/oncology, pediatrics, ophthalmology, surgical specialties, organ transplantation, orthopedics, neurology, infectious diseases/HIV, and geriatrics. **Unity Health Plans** provides insurance coverage and pharmacy benefit services for approximately 85,000 members. To provide home IV services for UWHC patients, the pharmacy department and hospital have formed a partnership with **Chartwell of Wisconsin**.

The **Pharmacy Department** (<http://www.uwhealth.org/pharmacy>) at UWHC includes a professional staff of 117 pharmacists, and 15 residents. There are four pharmacy practice residents, one critical care specialty resident, one critical care/nutrition specialty resident, one community pharmacy practice resident, and nine administrative residents. The department employs approximately 160 technicians, students, and support staff.

Pharmacy personnel provide around-the-clock progressive and comprehensive pharmacy services. Decentralized pharmacists are an integral part of the health care team and provide clinical and distributive services on the patient care unit. Inpatient teams, consisting of pharmacists, residents, students/interns, and pharmacist assistants, care for specific patient populations, and pharmacists are specialists in their practice areas. Clinical pharmacy services are provided to every patient and include medication history interviews, formal and informal medication teaching during the patient's stay, participation in work and attending rounds with the medical team, therapeutic drug monitoring, documentation of outcomes, and discharge medication teaching. Pharmacists and residents also participate in drug usage evaluations and cost-containment efforts, serve as preceptors for students from the University of Wisconsin School of Pharmacy, and teach in the school's pharmacotherapy lab.

The Center for Drug Policy (CDP) was founded in 1994 to develop, implement, maintain, and monitor policies related to the use of pharmaceuticals and to conduct applied drug policy research. As an essential part of the Center's mission, an active research program has been developed, focusing on clinical economic analyses (pharmacoeconomics) and outcomes studies. The CDP also provides drug information support to decentralized pharmacists, as well as to the Pharmacy and Therapeutics Committee, Medication Use Evaluation Committee, and health care professionals within Wisconsin. The bulletin, *Drug Policy Perspectives*, provides information to the medical and pharmacy staff, including in-depth reviews of new drugs and abstracts of adverse reactions reported in the literature.

The **Pharmaceutical Research Center (PRC)** currently coordinates over 350 clinical drug research protocols, offers over 600 square feet of controlled-access storage space dedicated to clinical drug supplies, and provides a variety of comprehensive services including:

- Feasibility assessment of and consultation on clinical drug design from a pharmaceutical care and health care environment perspective
- Facilitation of protocol implementation and maintenance in full compliance with sponsor and federal regulations
- Availability of an innovative pharmaceutical environment responsive to research needs (24 hrs/day; 7 days/week study drug preparation; gene therapy; phase I – IV; etc)

- Drug accountability data integrity
- Provision of randomization and blinding strategies
- Development of drug information, educational, compliance and toxicity characterization tools
- Assistance with emergency compassionate use requests
- Consultative services to sponsors and other PRC services on a variety of topics (development of a pharmacy-based PRC program; gene therapy implementation within a health care environment; study drug packaging and labeling from pharmacy/health care environment perspective)

The PRC interfaces within research infrastructures of the UW Comprehensive Cancer Center, the UW Medical School's Office of Clinical Trials, the Institutional Review Board, and the General Clinical Research Center.

The **Pharmacy Department** is on the forefront of information technology. A computer network connects all members of the department. In addition to the pharmacy inpatient system, pharmacy staff have access to word-processing, spreadsheet and database applications, MicroMedex, MedLine, and a host of other applications from any pharmacy terminal. UW Pharmacy uses a robotic cartfilling system, which has been in place since June of 1993. The department is an alpha site for testing a point of care system for medication administration utilizing bar code technology.

An on-site **outpatient pharmacy** fills an average of 400 prescriptions daily, including discharge prescriptions for inpatients. The Pharmacy Department operates additional pharmacies in the **Oncology Clinic**, the **Student Health Service** on campus, and in ten other off-site clinics. Additional services provided by the Pharmacy Department include a telepharmacy service, **consulting** for nursing homes and other hospitals, and clinical services in many ambulatory specialty areas.

Residency Faculty - Administrative

Carrie Boeckelman (Clinical Instructor) is a Pharmacy Manager of Ambulatory Pharmacy Services. She received a BS in pharmacy from the University of Wisconsin- Madison. In her current role at UW Hospital, Carrie is responsible for providing leadership and direction to pharmacists and technicians in 7 ambulatory pharmacies including a home prescription delivery service. In addition, she oversees the pharmacy services for the University of Wisconsin Medical Foundation. Her interests include the advancement of medication therapy management, maximizing pharmacy operational efficiencies and preventative care through the use of vaccines.

Lisa Gryttenholm (Senior Clinical Pharmacist and Clinical Instructor) received her BS Pharmacy and PharmD degrees from the University of Wisconsin-Madison. In addition to decentral staffing she spends 50% of her time as the Senior Clinical Pharmacist for Patient Care Services. Her responsibilities include: providing leadership and direction for the pharmacists on practice issues and medication utilization, coordination of new and changing clinical patient care services, serving as a peer resource on clinical topics and mentorship of pharmacy students and residents. She is involved with the Acute Care of Elders (ACE) consult team and a variety of interdisciplinary committees within UWHC. Preceptor development, patient education, and geriatrics are her interest areas.

Brad Ludwig (Clinical Instructor) is Assistant Director of Pharmacy, Technology and Operations. He earned his BS and MS degrees from the University of Wisconsin and completed a one-year Pharmacy Practice Residency and a two-year Administrative Residency at the University of Wisconsin Hospital and Clinics. His practice and research interests include acute care information technology, automated systems, asset management, drug distribution, discharge planning and prescription services and pharmacy practice.

Rebecca Mutch Marnocha (Clinical Associate Professor) is the Director of the Pharmaceutical Research Center (PRC) at UWHC and Director of Clinical Research for the UW School of Medicine and Public Health. Dr. Marnocha received her bachelors degree in pharmacy from Ferris State University, Doctor of Pharmacy degree from the University of North Carolina-Chapel Hill, and completed an oncology research fellowship at University of Wisconsin-Madison School of Pharmacy. As director of the PRC program, Dr. Marnocha is responsible for the management of all clinical drug research conducted at UWHC and for providing leadership, direction and supervision for the safe, ethical and quality provision of clinical drug research conducted within the institution's research infrastructure. As director of Clinical Research, she is responsible for optimizing operations and unifying strategic plans within the global UW clinical research infrastructure. In this role, Dr Marnocha serves as infrastructure consultant to the UW Health Sciences Institutional Review Board, the Clinical Translational Research Core and the Office of Clinical Trials and liaison to the UW Comprehensive Cancer Center. Dr. Marnocha is preceptor for a variety of pharmacy teaching programs and co-instructor of the Fundamentals of Clinical Trials II course. Her areas of interest include research infrastructure management, clinical drug research and study design, oncology and chemotherapy extravasation management, and the regulation, safety and ethics of human research.

David Musa (Clinical Instructor) is Assistant Director for Drug Distribution and Control. He earned a BS degree from Oregon State University, and an MBA degree in Healthcare Fiscal Management from the University of Wisconsin-Madison. He also completed a fellowship in hospital administration at the University of Wisconsin Hospital and Clinics. His responsibilities include management of sterile product preparation, nuclear pharmacy, manufacturing and non-sterile compounding, clinic medication distribution, purchasing, contracting, and inventory control. He also provides didactic and practical teaching on institutional drug distribution systems.

Connie Peterson (Clinical Instructor) is Assistant Director of Pharmacy, Financial Management, Reimbursement, Legal/Labor Relations. She received her BS in pharmacy from the University of Wyoming and her M.S. degree and two-year Administrative Residency from the UW-Madison and UW Hospital and Clinics. Her research interests include justification and promotion of expanded ambulatory pharmacy services, cost analysis of prescriptions from various providers, and patient satisfaction from pharmacy services provided in ambulatory settings, including patient consultation and patient education services.

Steve Rough is the Director of Pharmacy at the University of Wisconsin Hospital and Clinics, and Clinical Assistant Professor at the UW-Madison School of Pharmacy. Steve received his Bachelor of Science in Pharmacy degree (1991) and his Master of Science in Hospital Pharmacy Administration degree (1994) from the School of Pharmacy at the University of Wisconsin, Madison. He completed residency training in Pharmacy Practice and Health-System Pharmacy Administration in 1994 at the University of Wisconsin Hospital and Clinics. Steve completed a two-year term on the Board of Directors for the Pharmacy Society of Wisconsin (PSW) in 2002, and is currently serving a four-year elected term as Treasurer of PSW. Steve recently completed a four-year term as Chair of the University Health-System Consortium (UHC) Pharmacy Financial Performance Improvement Committee and currently serves as a member of the UHC Pharmacy Council Executive Committee. Steve also serves as Chair for the ASHP Section of Pharmacy Practice Managers and is a member of the ASHP House of Delegates. In 2006, Steve accepted the inaugural ASHP Foundation Pharmacy Residency Program Excellence Award on behalf of the UW Hospital and Clinics administrative residency and masters program. Steve's practice and research interests include pharmacy administrative practice, medication use safety, work redesign, pharmacy technology, financial management, outcomes research and implementation of progressive pharmacy services.

Bill Tanke (Senior Clinical Pharmacist) received his BS degree from the University of Wisconsin. He is pharmacy manager of the critical care area. Responsibilities include pharmacy services for cardiovascular surgery, cardiology, and trauma-life support center/burn center intensive care patients, plus the emergency department, cardiac cath lab, first day surgery and PACU areas. In addition, he is currently the interim medication safety officer. His interests include transplant medicine, cardiology, trauma, and resuscitation efforts. He is a member of the Resuscitation Review, Healthcare Event Evaluation Team, Respiratory Care, and Nursing-Pharmacy committees and chairs the Medication Safety & Pharmacy Practice committees. He also provides blue cart training for all new staff.

Thomas Thielke (Clinical Professor) is Vice President of Professional and Support Services. He received his BS and MS degrees from UW-Madison and completed the two-year Administrative Residency at UW Hospital and Clinics. He is a Whitney Award recipient, fellow of ASHP, recipient of the Franke Medal, past president of ASHP, and is past Chairman of the ASHP House of Delegates. His research activities and interests include health care delivery systems, health care finance, technology assessment, resource utilization, and the integration of clinical and financial service model information.

Michelle Thoma (Clinical Instructor) is Manager, Patient Care Services and Compliance. Michelle received her BS and Doctor of Pharmacy degrees from the University of Wisconsin-Madison. Michelle is responsible for managing pharmacy services on the inpatient transplant, surgery and neurosciences teams, for leading UWHC ambulatory clinic pharmacist practice, and for coordinating pharmacy department regulatory compliance and preparedness. In addition to her management responsibilities, Michelle continues to serve as a clinical pharmacist consultant for Wisconsin Psychiatric Institute and Clinics. Her research activities and interests include psychopharmacology, quality improvement through outcome measures and advancing the role of the pharmacist in outpatient clinics.

Sylvia Thomley (Clinical Instructor) is Manager, Patient Care Services and Medication Safety. Sylvia has Doctor of Pharmacy and Master of Science in Health-System Pharmacy Administration degrees from the School of Pharmacy at the University of Wisconsin, Madison. She also completed a two-year Residency in Health-System Administration at UW Hospital and Clinics. Sylvia has a strong interest in patient and medication safety and chairs the Medication Safety Committee at UWHC. Her practice interests also include clinical informatics and decision support, ambulatory clinical pharmacy practice, and advancing the role of pharmacy technicians. Sylvia is active in the Pharmacy Society of Wisconsin, Madison Patient Safety Collaborative and the American Society of Health-System Pharmacists.

Hannet Tibagwa (Clinical Instructor) is Pharmacy Manager of Ambulatory Pharmacy Services. She received a MS degree at UW–Madison and completed a two–year Administrative Residency at UW Hospital and Clinics. She completed a Pharmacy Practice Residency at Fairview University Medical Center, and received her PharmD degree at Northeastern University, Boston. In her current role at UW Hospital, Hannet is responsible for providing leadership and direction to pharmacists and technicians in ambulatory pharmacies, oncology clinic pharmacy, anticoagulation clinics, Specialty Mail Service Pharmacy, Ambulatory Pharmacy management system oversight, Automation and external contracts. Her interests include advancement of pharmacy practice, pharmacy technology, operational assessments, and financial management.

Philip Trapskin (Clinical Instructor) received his BS Pharmacy (1999) and PharmD (2000) from the University of Wisconsin-Madison. Upon graduation he practiced at Marshland Pharmacies, Inc., an independent community pharmacy in Horicon, WI. He completed a pharmacy practice residency (2004) and pharmacy practice management specialty residency (2005) at the University of Kentucky Chandler Medical Center in Lexington, Kentucky. Currently, his position is Manager, Acute Care Pharmacy Services at the University of Wisconsin Hospital and Clinics in Madison, WI. His interests include residency training, role of pharmacist with computerized prescriber order entry implementation, clinical services and scholarly activity development.

Lee Vermeulen (Clinical Associate Professor) is Director of the Center for Drug Policy. He received his BS degree in pharmacy from the State University of New York at Buffalo, and his MS degree in pharmacy administration from UW-Madison. He completed residency training in pharmacy practice and pharmacy administration at the University of Wisconsin Hospital and Clinics, and has served a fellowship in medical technology assessment at the University Hospital Consortium. His research focuses on drug policy development and clinical decision making, with an emphasis on clinical economics, outcome evaluations, the validation and use of quality-of-life and functional status measures, the development of practice guidelines and the measurement of the impact of practice guidelines on patient care

Residency Faculty - Clinical

Sheila Aton (Senior Clinical Pharmacist) received her BS and Pharm. degrees from St. Louis College of Pharmacy. She completed a pharmacy practice residency at the University of Wisconsin Hospital and Clinics. Responsibilities include patient care services for inpatient neurosciences as well as movement disorder clinic. Her interests include Parkinson's disease, spinal cord injury, multiple sclerosis patients; she is very involved with the inpatient and outpatient management of these populations.

Caitlin Curtis (Clinical Pharmacist, Clinical Instructor) completed a PharmD degree at the University of Louisiana at Monroe, a pharmacy practice residency at UWMC in Madison, and a Nutrition Support/Critical Care residency at Emory University in Atlanta, Georgia. She is a board-certified Nutrition Support Pharmacist and is a member of the Surgical Nutrition Support Team at UWMC, as well as a member of a clinical nutrition research team under the Department of Surgery. She is currently serving as the Nutrition Support Network Facilitator for the American Society of Health-System Pharmacists (2006-2007), and is an active member of the American Society of Parenteral and Enteral Nutrition as well as the Pharmacy Society of Wisconsin.

Jeff Fish (Senior Clinical Pharmacist) received his BS degree from the University of Wisconsin, and his PharmD degree from the University of Minnesota. He completed a cardiology research fellowship with the University of Minnesota, and is BCPS certified. His responsibilities include providing pharmacy services for medical, surgical and burn intensive care patients. His interests include pain, sedation and infective disease issues in this patient population.

Sean Gehrke (Clinical Pharmacist, Clinical Instructor, and Community Pharmacy Practice Residency Director) received his PharmD degree from the University of Wisconsin-Madison and completed a one-year community pharmacy residency at the University of Arizona College of Pharmacy and Fry's Food and Drug Stores. In addition to directing the residency program, other responsibilities include managing the UW Health Pharmacy at Hilldale, ambulatory clinic involvement, and working with students at the University of Wisconsin School of Pharmacy. Sean's research and practice interests include implementation and advancement of ambulatory pharmaceutical-care services, pharmacy practice management initiatives, collaboration with health care providers, and teaching.

Kerry Goldrosen (Clinical Pharmacist) received her BS and PharmD degrees from the University of Wisconsin. Her responsibilities include precepting students, providing patient care services for surgical, gyn/onc, trauma and vascular patients. She is a member of the UWMC Patient Education Committee, Medication Use Evaluation Committee, the Department of Surgery QI Committee, and Bariatric Surgery staff/liaison. She is also a member of PSW, ASHP, and ASPEN. Her interests include anticoagulation, nutrition, and patient education.

David Hager (Clinical Pharmacist, Clinical Instructor) completed a PharmD degree at the University of Wisconsin and a pharmacy practice residency at UWMC in Madison. His primary responsibilities are on the abdominal transplant team where he precepts the pharmacy practice residents, supervises the pharmacy services in the transplant clinic, and instructs incoming nurse residents. David is also a member of the Surgical Nutrition Support Team at UWMC. His interests include immunosuppression pharmacokinetics, patient education strategies, and anti-viral therapies.

Susan Kleppin (Senior Clinical Pharmacist) received her BS degree from the University of Wisconsin-Madison. She is responsible for medication use policy development and implementation for UWMC. Her practice interests include immunization, adult education and medication safety.

Brian LaRowe (Senior Clinical Pharmacist) received his BS and MS degrees from North Dakota State University School of Pharmacy and completed a pharmacy practice residency at St. Francis Hospital in Breckenridge, MN. He is responsible for pediatric patients including intensive care and hematology, oncology, and bone marrow transplant as well as general care patients from birth through teen years. Primary interests within the pediatric population include emergency medicine, critical care, and therapy management for patients with varying degrees of renal function impairment.

Judy Olson (Clinical Pharmacist) received her PharmD degree from Drake University and completed a pharmacy practice residency at Mayo Clinic in Rochester, Minnesota. She is board certified in pharmacotherapy. Prior to coming to UW in 2002, she worked in cardiac surgical and medical/surgical intensive care units. She provides pharmacy services for cardiovascular medicine, cardiothoracic surgery, and heart/lung transplant patients. Her interests include teaching students/residents, ACLS, critical care, and medication safety.

Julie Pawola (Clinical Pharmacist) received her PharmD degree from the University of Illinois at Chicago. She completed a pharmacy practice residency at the University of Iowa Hospitals and Clinics. Her responsibilities include providing pharmacy services for solid organ transplant and general surgery patients along with a transplant ambulatory clinic practice. Her interests include infectious disease, patient education, and teaching.

Jennifer Sandra (Clinical Pharmacist) received her Pharm.D degree from Drake University and completed a pharmacy practice residency at the University of Wisconsin Hospital and Clinics. Her responsibilities include precepting students and providing pharmacy services for gastroenterology, pulmonary, renal, and general internal medicine patients.

MaryAnn Steiner (Senior Clinical Pharmacist) received her BS and PharmD degrees from the University of Wisconsin. She completed a pharmacy practice residency at Mayo Clinic in Rochester, Minnesota. She provides policy analysis and formulary support for the Unity Health Insurance Pharmacy Program. Additional responsibilities include clinic administered medications related policies in the Center for Drug Policy. Her interests include health literacy, student/resident teaching, specialty injectables and biologic therapy and policy research.

Jill Strayer (Clinical Pharmacist) received her PharmD degree from the University of Iowa in 2002. She completed a pharmacy practice residency at the University of Wisconsin Hospital and Clinics in 2003 and became Board Certified in Pharmacotherapy. Responsibilities include patient care for general medicine, pediatric intensive care and oncology patients. She has a special interest in infectious disease and HIV therapy and lectures students on pharmacotherapy at the UW School of Pharmacy, in addition to providing care for patients in the comprehensive HIV Care program.

Marshall Tague (Clinical Pharmacist) received this PharmD degree from the University of Iowa in 2003. He completed a pharmacy practice residency at University of Wisconsin Hospital and Clinics in 2004 and an oncology specialty residency at H. Lee Moffitt Cancer Center and Research Institute in 2005. He provides pharmacy services to medical oncology, hematology, and bone marrow transplant patients. He is a current member of Hematology/Oncology Pharmacy Association (HOPA). His primary interests include hematologic malignancies and the role of bone marrow transplantation as well as educating pharmacy students/residents.

Lisa Vanevenhoven (Clinical Pharmacist, Clinical Instructor) received her PharmD from the University of Wisconsin-Madison. She currently works on the inpatient Neurology Team where she provides pharmacy

services to neurology psychiatry, surgery, and rehab patients. Her interests include psychiatry, epilepsy, and women's health.

Clinical Pharmacy Faculty

Robert Breslow (Clinical Associate Professor) received his BS from the University of Wisconsin. Mr. Breslow is responsible for the program administration of the Nontraditional Pharm.D. Program. He is also the program academic advisor. He has twenty-one years of clinical experience in hospital practice. Board Certified Pharmacotherapy Specialist, 1992. Past experience as a consultant in long-term care and as a consultant for a PACE Model program for older adults. Mr. Breslow's research interests include pharmaceutical care of older adults.

Mary Hayney (Associate Professor of Pharmacy – CHS) received her BS and PharmD from the University of Minnesota and Master of Public Health from the University of Wisconsin. She completed a pharmacy practice residency at the Mayo Clinic and Foundation and a fellowship with the Mayo Vaccine Research Group, Clinical Pharmacology Unit. Her clinical practice is with the lung transplant group. Research interests include vaccine responses in solid organ transplant patients.

Paul Hutson (Associate Professor) received a BS in Biochemistry from the University of California-Los Angeles, MS in Chemistry, and BS in Pharmacy from the University of Washington, and a Pharm.D. from the University Tennessee. Dr. Hutson completed an oncology/pharmacokinetics fellowship at St. Jude Children's Research Hospital in Memphis. He now practices pharmacy in the oncology/hematology division at UW Hospital and Clinics and is an Associate member of the UW comprehensive Cancer Center. Professor Hutson's present research is in the areas of palliative care, and separately in population pharmacokinetic modeling. Current active or pending palliative care protocols include the treatment or prevention of chemotherapy-induced palmar-plantar erythrodysesthesia and peripheral neuropathy.

Jill Kolesar (Associate Professor) is the Director of the Analytical Instrumentation Laboratory for Pharmacokinetics, Pharmacodynamics and Pharmacogenetics (3P) at the University of Wisconsin comprehensive Cancer Center. She completed a specialty pharmacy residency in oncology/hematology and a 2 year fellowship in molecular oncology pharmacotherapy at the University of Texas Health Science Center in San Antonio. Dr. Kolesar's research includes the use of biomarkers and pharmacokinetics to predict response and monitor efficacy of drug and gene therapy, population genotyping for cancer susceptibility and the regulation of gene expression of the two electron reductases. She holds two patents for developing novel technologies for evaluating gene expression and point mutations. Dr. Kolesar is currently a member of the National Cancer Institute's Adult Central IRB, chairing the adverse events subcommittee and is a member of the Board of Regents of the American College of Clinical Pharmacy. In addition, Dr. Kolesar chairs the Lung Cancer Biology Subcommittee for the Eastern Cooperative Oncology Group as well as serving on the core committees for the Thoracic and Developmental Therapeutics Committees of ECOG.

Karen Birckelbaw Kopacek (Clinical Assistant Professor) is a member of the Pharmacy Practice Division and lectures on coronary heart disease, acute coronary syndromes, cardiovascular and pulmonary physical assessment, and pharmaceutical care. She is the Director of the Pharmacotherapy Labs, coordinates the Pharmacotherapy Lab for second-year Doctor of Pharmacy students, and is a clinical pharmacist in the cardiac and cardiovascular surgery intensive care units. Kopacek earned her Bachelor of Science degree in Pharmacy from the University of Iowa College of Pharmacy in 1988 and has practiced as a clinical pharmacist in cardiac and cardiovascular intensive care units at several Wisconsin hospitals. Her areas of interest include cardiovascular medicine, asthma, and patient education.

Clinical Pharmacy Faculty

Warren Rose (Assistant Professor) earned his Pharm.D. from Butler University then completed a PGY-1 residency in pharmacy practice with Rush University Medical Center in Chicago, Illinois. Following residency training, he then completed a post-doctoral fellowship in infectious disease pharmacotherapy at the Anti-Infective Research Laboratory at Wayne State University. Dr. Rose's research interests involve the impact of bacterial cell-to-cell communication in *S. aureus* on antimicrobial resistance, virulence and toxin production, and bacterial biofilms. His laboratory incorporates multiple in vitro modeling systems to evaluate these characteristics against both clinically available and investigation antimicrobials. These studies are used to evaluate optimal antibiotic activity, antibiotic penetration into simulated infections, and the development of antibiotic resistance. These systems can be used as tools for further study of optimal dosing regimens. In addition to the study of these strains in the laboratory, he is also involved in epidemiological studies of MRSA infections at the University of Wisconsin Hospital and Clinics.

Madison, Wisconsin

Madison is a thriving city of 250,000 situated in south central Wisconsin. It combines the friendly atmosphere of a university town with the appeal of a larger city, including sporting events, art festivals, farmers' markets, and cultural activities. Madison is only a short distance from lakes, parks, state and national forests, and larger cities such as Chicago and Milwaukee. Publications such as *USA Today*, *Money Magazine*, *Outside*, and *U.S. News and World Report* have rated Madison as one of the finest cities in the country in which to live and work.

The University of Wisconsin-Madison, with 45,000 students, is one of the largest and most diverse universities in the country. The campus is situated on the shores of Lake Mendota, within walking distance of the State Capitol building. There are 26 libraries throughout the campus. The Wisconsin Badgers, of the Big Ten Conference, offer major-college football, basketball, volleyball, hockey, crew, and many other sports.



There are 13 beaches and over 150 parks throughout the city. Some of the more popular city attractions include the Henry Vilas Zoo, Olbrich Botanical Gardens, and the UW-Madison Arboretum, with 1200 acres of natural forests, prairies and orchards. There are four major lakes, with over 18,000 acres of lake surface for sailing, swimming, fishing, and water skiing. Many major streets have bike lanes to accommodate citizens and students who ride bicycles. On Saturdays in spring through fall, the Farmers' Market takes place on the sidewalks surrounding the capitol. With hundreds of vendors, it is one of the largest such markets in the country.

There are several museums and playhouses throughout the Madison area, including the Chazen Art Museum, Madison Children's Museum, Madison Museum of Contemporary Art, and the crown jewel of the Madison arts scene, the new Overture Center for the Arts. The Memorial Union, on the UW-Madison campus, provides many opportunities to eat, relax, and enjoy the activities and views afforded by Lake Mendota. The Alliant Energy Center plays host to fairs, sporting events, and concerts year round. Monona Terrace Convention Center, a Frank Lloyd Wright design overlooking Lake Monona, is a 250,000 square foot meeting facility. The annual Art Fair on the Square draws over 100,000 visitors each year.

Madison is within driving distance of many attractions. The famous Wisconsin Dells recreation area is a short one hour drive north. To the northeast is Green Bay, home of the Green Bay Packers football team, and Door County, with its gorgeous state parks, shops, and bed-and-breakfast inns. One hour to the east on I-94 is Milwaukee, home of Miller Brewing Company and the Brewers baseball club and Bucks basketball. Chicago is only 2½ hours southeast on I-90, and Minneapolis-St. Paul is 4 hours west on I-94.

More information about Madison can be found on the following websites:

- madison.com
- madisonmag.com
- visitmadison.com
- greatermadisonchamber.com
- wisc.edu
- insiders.com

