

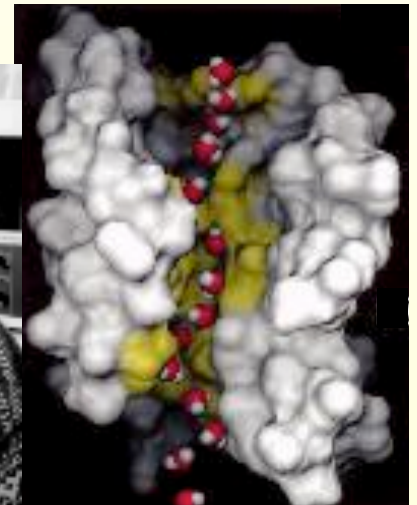
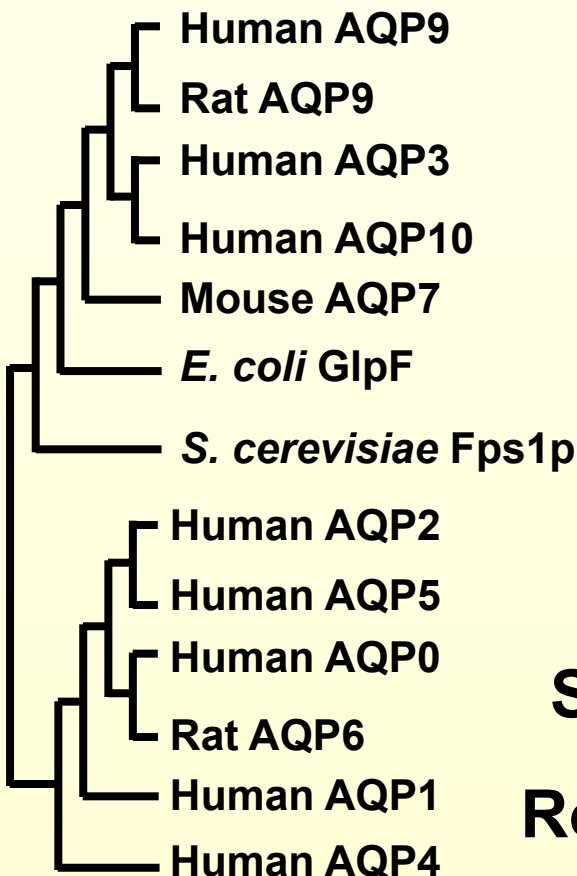
The Department of Biochemistry and Molecular Biology

The 10th Aline U. and James M. Orten Memorial Lecture

Peter C. Agre, M.D.

Professor of Biological Chemistry and Medicine

Aquaporin water channel proteins: From atomic structure to clinical medicine



12 pm Tuesday
September 24, 2002
Room 2268 Scott Hall

About Dr. Agre:

Dr. Agre received a B.A from Augsburg College in Minneapolis in 1970 and an M.D. from Johns Hopkins University School of Medicine in 1974. He was a postdoctoral fellow in the the laboratory of Pedro Cuatrecasas in the Department of Pharmacology, Johns Hopkins, following which he did his internship and residency in the Department of Medicine at Case Western Reserve University. He spent an additional postdoctoral period in hematology/oncology in the laboratory of Harold Roberts at the University of North Carolina at Chapel Hill. He was a Senior Clinical Research Scientist, Wellcome Laboratories and a Clinical Assistant Professor of Medicine at the University of North Carolina at Chapel Hill. He joined the faculty of the Johns Hopkins School of Medicine in 1981, where he is currently Professor of Biological Chemistry and Medicine. In 1991 Dr. Agre cloned the gene for an erythrocyte protein that he subsequently showed was the long-sought after human water channel, which he named Aquaporin. Dr. Agre has been the recipient of many honors including the Homer Smith Award from the American Society of Nephrology. Dr. Agre was elected to the National Academy of Sciences in 2000.

The Orten Lectureship:

Dr. James M. Orten was a respected faculty member in the Department of Biochemistry from 1937 until his retirement in 1975, when he continued as Professor Emeritus of Biochemistry until his death on March 2, 1991. He was an excellent teacher and was popular among students. He was well known for his text books in biochemistry and for his research in the areas of porphyrin-heme biosynthesis, nutrition and intermediary metabolism. For his contributions, Dr. Orten was elected a Fellow of the American Institute of Nutrition. Dr. Aline U. Orten received her Ph.D. in biochemistry from Yale University in 1937 and came to the Wayne State University School of Medicine later that year as an instructor of physiological chemistry. Over the next half-century, the Ortens served as dedicated members of the Wayne State community.

The James M. Orten Memorial Fund was established through the generous donations of Dr. Aline U. Orten, as well as friends of the Ortens. The fund was created to benefit graduate and postdoctoral students in the Department of Biochemistry and Molecular Biology. It allows the graduate students and postdoctoral associates to invite a renowned researcher in the field of metabolism and nutrition to present the James M. Orten Lecture. In addition it gives them an opportunity to meet with and interact personally with an internationally renown scientist. Upon her death on February 16, 2000, the fund was renamed the Aline U. and James M. Orten Memorial Lecture to honor both Drs. Orten.