


WEBER, JOACHIM (b.1954) Associate Professor. M.S, 1980, University of Hannover (Germany); Ph.D, 1990, Medical University of Luebeck (Germany). Post-doctoral Fellow, 1990-1995, University of Rochester. Biochemistry; Biophysics/Biophysical Chemistry. ATP Synthase. ATP synthase is the World’s smallest known rotary motor. We are investigating how ATP synthesis and hydrolysis are coupled to subunit rotation. Applied techniques include fluorescence spectroscopy, site-directed mutagenesis, biochemical analysis, torque measurements, and molecular dynamics simulations. TEL: 806) 742-1297 FAX: (806) 742-1289 Web: www.depts.ttu.edu/chemistry/faculty/weber/ weber.html

Email: joachim.weber@ttuhsc.edu


Caldwell, Brent L, The delta subunit of Escherichia coli F1Fo ATP synthase cross-links to two alpha subunits by a deltaF18C, alphaQ2C and a alphaA17C mutation. (M)

Sarada D. Mridulreddy, The effect of the hydrophobic stretch of the betaDELSEED-loop upon driving the rotation of the gamma subunit of ATP synthase. (M)

WHITTLESEY, BRUCE R. (b.1954) Associate Professor. B.A, 1978, New College of the University of South Florida; Ph.D, 1985, University of Texas at Austin. Postdoctoral Fellowship, 1985-1987, University of Illinois, Urbana-Champaign. Bioinorganic Chemistry; Inorganic Chemistry. Transition metal complexes containing Lewis acid sites; xenophilic transition metal clusters, zinc metalloenzyme model complexes. TEL: (806) 742-3048 FAX: (806) 742-1289 Web: www.depts.ttu.edu/chemistry/faculty/whittlesey/whittlesey.html

Email: bruce.whittlesey@ttu.edu

No publication information submitted for this edition.