NAME:	
RESEARCH INTEREST QUESTIONNAIRE Please rank three of the following major areas in order of preference (1-first preference, 2-second, etc.).	
Analytical Organic Biochemistry Below is a list of the research interests in our department of the research interest in our department of the research interest in our department of the research interest in the research interest	• • •
Analytical Chemistry Electrochemical methods, fundamentals and applications NMR of polymers/biomolecules Mass spectrometry of polymers/biomolecules Analytical techniques in drug discovery Molecular imaging Analytical techniques in polymer chemistry Single molecule measurements Organic Chemistry Synthesis of donor-acceptor compounds Solar energy conversion Synthesis of luminescent materials Supramolecular design Synthesis of molecular sensors	Inorganic Chemistry X-ray structure elucidation Coordination chemistry Main group chemistry Organometallic chemistry Bioinorganic and medicinal inorganic chemistry Physical Chemistry Quantum chemistry Molecular spectroscopy Optical Microscopy and advanced imaging Biophysical chemistry Molecule structure and dynamics Computational or theoretical chemistry Photocatalysis
Synthesis of molecular sensors Laser spectroscopy of ultrafast reactions Synthesis and Study of Organic Self- Assemblies Biochemistry Bioinformatics, proteomics, and metabolomics Cellular signaling and molecular biology Enzymology Medicinal chemistry and drug discovery Protein and nucleic acid structure Membrane Protein Structure and Function	Chemical Education General chemistry classroom curriculum Process oriented guided inquiry learning (POGIL) Technology enhanced classroom teaching STEM education and public policy Low cost and DIY laboratory instrumentation