

Stanford

Channing Robertson

The Ruth G. and William K. Bowes Professor in the School of Engineering, Emeritus
Vice Provost and Dean of Research

Bio

ACADEMIC APPOINTMENTS

- Professor Emeritus, Vice Provost and Dean of Research
- Member, Bio-X

Teaching

COURSES

2018-19

- Frontiers in Interdisciplinary Biosciences: BIO 459, BIOC 459, BIOE 459, CHEM 459, CHEMENG 459, PSYCH 459 (Aut, Win, Spr)

2017-18

- Frontiers in Interdisciplinary Biosciences: BIO 459, BIOC 459, BIOE 459, CHEM 459, CHEMENG 459, PSYCH 459 (Aut, Win, Spr)

2016-17

- Frontiers in Interdisciplinary Biosciences: BIO 459, BIOC 459, BIOE 459, CHEM 459, CHEMENG 459, PSYCH 459 (Aut, Win, Spr)

2015-16

- Frontiers in Interdisciplinary Biosciences: BIO 459, BIOC 459, BIOE 459, CHEM 459, CHEMENG 459, PSYCH 459 (Aut, Win, Spr)

Publications

PUBLICATIONS

- **Interfacial Biocatalysis on Charged and Immobilized Substrates: The Roles of Enzyme and Substrate Surface Charge** *LANGMUIR*
Feller, B. E., Kellis, J. T., Cascao-Pereira, L. G., Robertson, C. R., Frank, C. W.
2011; 27 (1): 250-263
- **The Role of Electrostatic Interactions in Protease Surface Diffusion and the Consequence for Interfacial Biocatalysis** *LANGMUIR*
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- **Open Doorway to Truth: Legacy of the Minnesota Tobacco Trial** *MAYO CLINIC PROCEEDINGS*
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- **Enzymatic Proteolysis of a Surface-Bound alpha-Helical Polypeptide** *LANGMUIR*
Hardesty, J. O., Cascao-Pereira, L., Kellis, J. T., Robertson, C. R., Frank, C. W.
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- **Fluorescence Quantification for Surface Plasmon Excitation** *LANGMUIR*
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- **Downloadable computer models for renal replacement therapy** *KIDNEY INTERNATIONAL*
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- **The clearance of protein-bound solutes by hemofiltration and hemodiafiltration** *KIDNEY INTERNATIONAL*
Meyer, T. W., Walther, J. L., Pagtalunan, M. E., Martinez, A. W., Torkamani, A., Fong, P. D., Recht, N. S., Robertson, C. R., Hostetter, T. H.
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- **Helical crystallization on lipid nanotubes: Streptavidin as a model protein** *JOURNAL OF STRUCTURAL BIOLOGY*
Dang, T. X., Farah, S. J., Gast, A., Robertson, C., Carragher, B., Egelman, E., Wilson-Kubalek, E. M.
2005; 150 (1): 90-99
- **Increasing dialysate flow and dialyzer mass transfer area coefficient to increase the clearance of protein-bound solutes** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Meyer, T. W., Leeper, E. C., Bartlett, D. W., Depner, T. A., Lit, Y. Z., Robertson, C. R., Hostetter, T. H.
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- **Surface plasmon resonance/surface plasmon enhanced fluorescence: An optical technique for the detection of multicomponent macromolecular adsorption at the solid/liquid interface** *LANGMUIR*
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