

# Stanford

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## Renu Heller

Adjunct Professor

Biology

### Bio

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#### ACADEMIC APPOINTMENTS

- Adjunct Professor, Biology

### Teaching

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#### COURSES

##### 2022-23

- Chronic Disease I: Applications of Novel Advances in Biology and Biotechnology: BIO 109A (Win)
- Chronic Disease II: Applications of Advances in Precision Medicine and Digital Health Technologies: BIO 109B (Spr)

##### 2021-22

- Building Blocks for Chronic Disease: BIO 109A, BIOC 109A, BIOC 209A, HUMBIO 158 (Win)

##### 2020-21

- Advances in Therapeutic Development: Neuronal Signaling and Immunology: BIO 109B, BIOC 109B (Spr)
- Building Blocks for Chronic Disease: BIO 109A, BIOC 109A, BIOC 209A, HUMBIO 158 (Win)

##### 2019-20

- Advances in Therapeutic Development: Neuronal Signaling and Immunology: BIO 109B, BIOC 109B (Spr)
- Building Blocks for Chronic Disease: BIO 109A, BIOC 109A, BIOC 209A, HUMBIO 158 (Win)

### Publications

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#### PUBLICATIONS

- **Gene-microarray analysis of multiple sclerosis lesions yields new targets validated in autoimmune encephalomyelitis** *NATURE MEDICINE*  
Lock, C., Hermans, G., Pedotti, R., Brendolan, A., Schadt, E., Garren, H., Langer-Gould, A., Strober, S., Cannella, B., Allard, J., Klonowski, P., Austin, A., Lad, et al  
2002; 8 (5): 500-508
- **The influence of the proinflammatory cytokine, osteopontin, on autoimmune demyelinating disease** *SCIENCE*  
Chabas, D., Baranzini, S. E., Mitchell, D., Bernard, C. C., Rittling, S. R., Denhardt, D. T., Sobel, R. A., Lock, C., Karpuj, M., Pedotti, R., Heller, R., Oksenberg, J. R., Steinman, et al  
2001; 294 (5547): 1731-1735
- **Microarrays: biotechnology's discovery platform for functional genomics** *TRENDS IN BIOTECHNOLOGY*  
Schena, M., Heller, R. A., Theriault, T. P., Konrad, K., Lachenmeier, E., Davis, R. W.  
1998; 16 (7): 301-306
- **Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Schena, M., Shalon, D., Heller, R., Chai, A., Brown, P. O., Davis, R. W.  
1996; 93 (20): 10614-10619

- **MECHANISMS OF TUMOR-NECROSIS-FACTOR CYTOTOXICITY AND THE CYTOTOXIC SIGNALS TRANSDUCED BY THE P75-TUMOR NECROSIS FACTOR-RECEPTOR** *CIRCULATORY SHOCK*  
Reid, T., Louie, P., Heller, R. A.  
1994; 44 (2): 84-90
- **REGULATION OF CARBAMOYL PHOSPHATE SYNTHETASE-ASPARTATE TRANSCARBAMOYLASE-DIHYDROOROTASE GENE-EXPRESSION IN GROWING AND ARRESTED CELLS** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Liao, W. S., Heller, R., Green, P., Stark, G. R.  
1986; 261 (33): 5577-5581
- **DEVELOPMENT OF MONOCLONAL-ANTIBODIES TO "3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*  
Heller, R. A., Hoy, P., Jones, P. P.  
1982; 106 (2): 412-421
- **ACTIVATION OF PURIFIED 3-HYDROXY-3-METHYLGLUTARYL-COA REDUCTASE BY PHOSPHOLIPIDS** *BIOCHIMICA ET BIOPHYSICA ACTA*  
Berde, C. B., Heller, R. A., Simoni, R. D.  
1977; 488 (1): 112-120
- **PREVENTION OF COLD INACTIVATION OF 3-HYDROXY-3-METHYLGLUTARYL COENZYME A REDUCTASE BY NADPH** *BIOCHIMICA ET BIOPHYSICA ACTA*  
Heller, R. A., Gould, R. G.  
1975; 388 (2): 254-259
- **REVERSIBLE COLD INACTIVATION OF MICROSOMAL 3-HYDROXY-3-METHYLGLUTARYL COENZYME-A REDUCTASE FROM RAT-LIVER** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Heller, R. A., Gould, R. G.  
1974; 249 (16): 5254-5260
- **SOLUBILIZATION AND PARTIAL-PURIFICATION OF HEPATIC 3-HYDROXY-3-METHYLGLUTARYL COENZYME A REDUCTASE** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*  
Heller, R. A., Gould, R. G.  
1973; 50 (3): 859-865