

Stanford



Kristyna Blazkova

Postdoctoral Scholar, Pathology

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease

STANFORD ADVISORS

- Matthew Bogoyo, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Matthew Bogoyo (10/3/2022)

Publications

PUBLICATIONS

- **Protease-induced activation of colonic afferent neurons by a gut bacterium associated with inflammatory bowel disease**
Wood, H. M., Nakhle, R., Blazkova, K., Faucher, F. F., Farquhar, M., Sheth, P. M., Schmidt, B. L., Vanner, S. J., Bunnett, N. W., Bogoyo, M., Reed, D. E., Lomax, A. E.
AMER PHYSIOLOGICAL SOC.2026
- **CD64-Targeted Polymer-Drug Conjugates Exploit Cathepsin K-Dependent Payload Release for Selective Elimination of Immunosuppressive Macrophages** *MOLECULAR PHARMACEUTICS*
Musil, D., Krhutova, M., Blazkova, K., Kramna, A., Brazdova, A., Vymolova, B., Megova, M., Hadzima, M., Krystufek, R., Subr, V., Kostka, L., Etrych, T., Ormsby, et al
2026
- **Potent Competitive Inhibitors of Ecto-5'-nucleotidase (CD73) based on 6-(Het)aryl-7-deazapurine Ribonucleoside 5'-<i>O</i>-**
Bisphosphonates *ACS PHARMACOLOGY & TRANSLATIONAL SCIENCE*
Sinkeviciute, U., Simova, M., Stanik, R., Postova Slavetinska, L., Blazkova, K., Sacha, P., Lepsik, M., Rezac, J., Konvalinka, J., Ormsby, T., Tichy, M., Hocek, M.
2025
- **A Bacteroides fragilis protease activates host PAR2 to induce intestinal pain and inflammation.** *Cell host & microbe*
Lakemeyer, M., Latorre, R., Blazkova, K., Wood, H. M., Jensen, D. D., Shakil, N., Thomas, S. C., Saxena, D., Mulpuri, Y., Poolman, D., Duran, P., Keller, L. J., Reed, et al
2025
- **Macrocyclic Phage Display for Identification of Selective Protease Substrates.** *Journal of the American Chemical Society*
Faucher, F. F., Blazkova, K., Lovell, S., Bertolini, M., Herrero-Bourdieu, J., Cosco, E. D., Bogoyo, M., Barniol-Xicota, M.

2025

- **Identification of 6-Aryl-7-Deazapurine Ribonucleoside Phosphonates as Inhibitors of Ecto-5'-Nucleotidase (CD73)** *ACS PHARMACOLOGY & TRANSLATIONAL SCIENCE*

Simova, M., Ormsby, T., Sinkeviciute, U., Sirotova Veselovska, L., Cermakova, K., Hadzima, M., Barton, L., Stanurova, J., Kramna, A., Sacha, P., Tichy, M., Hocek, M., Konvalinka, et al

2025

- **Polymer-Tethered Quenched Fluorescent Probes for Enhanced Imaging of Tumor-Associated Proteases.** *ACS sensors*

Hadzima, M., Faucher, F. F., Blažková, K., Yim, J. J., Guerra, M., Chen, S., Woods, E. C., Park, K. W., Šácha, P., Šubr, V., Kostka, L., Etrych, T., Majer, et al

2024

- **Polymer-based antibody mimetics (iBodies) target human PD-L1 and function as a potent immune checkpoint blocker** *JOURNAL OF BIOLOGICAL CHEMISTRY*

Zamani, M., Hadzima, M., Blazkova, K., Subr, V., Ormsby, T., Celis-Gutierrez, J., Malissen, B., Kostka, L., Etrych, T., Sacha, P., Konvalinka, J.

2024; 300 (6): 107325

- **The development of a high-affinity conformation-sensitive antibody mimetic using a biocompatible copolymer carrier (iBody)** *JOURNAL OF BIOLOGICAL CHEMISTRY*

Blazkova, K., Beranova, J., Hradilek, M., Kostka, L., Subr, V., Etrych, T., Sacha, P., Konvalinka, J.

2021; 297 (5): 101342

- **Identification of Protein Targets of Bioactive Small Molecules Using Randomly Photomodified Probes** *ACS CHEMICAL BIOLOGY*

Simon, P., Knedlik, T., Blazkova, K., Dvorakova, P., Brezinova, A., Kostka, L., Subr, V., Konvalinka, J., Sacha, P.

2018; 13 (12): 3333-3342

- **Polymers as tools for studying the internalization of membrane protein glutamate carboxypeptidase II**

Kostka, L., Sedlak, F., Blazkova, K., Etrych, T., Sacha, P., Subr, V., Konvalinka, J.

ELSEVIER SCIENCE BV.2017: E81-E82

- **In Vivo Performance and Properties of Tamoxifen Metabolites for CreERT2 Control** *PLOS ONE*

Felker, A., Nieuwenhuize, S., Dolbois, A., Blazkova, K., Hess, C., Low, L. W. L., Burger, S., Samson, N., Carney, T. J., Bartunek, P., Nevado, C., Mosimann, C.

2016; 11 (4): e0152989