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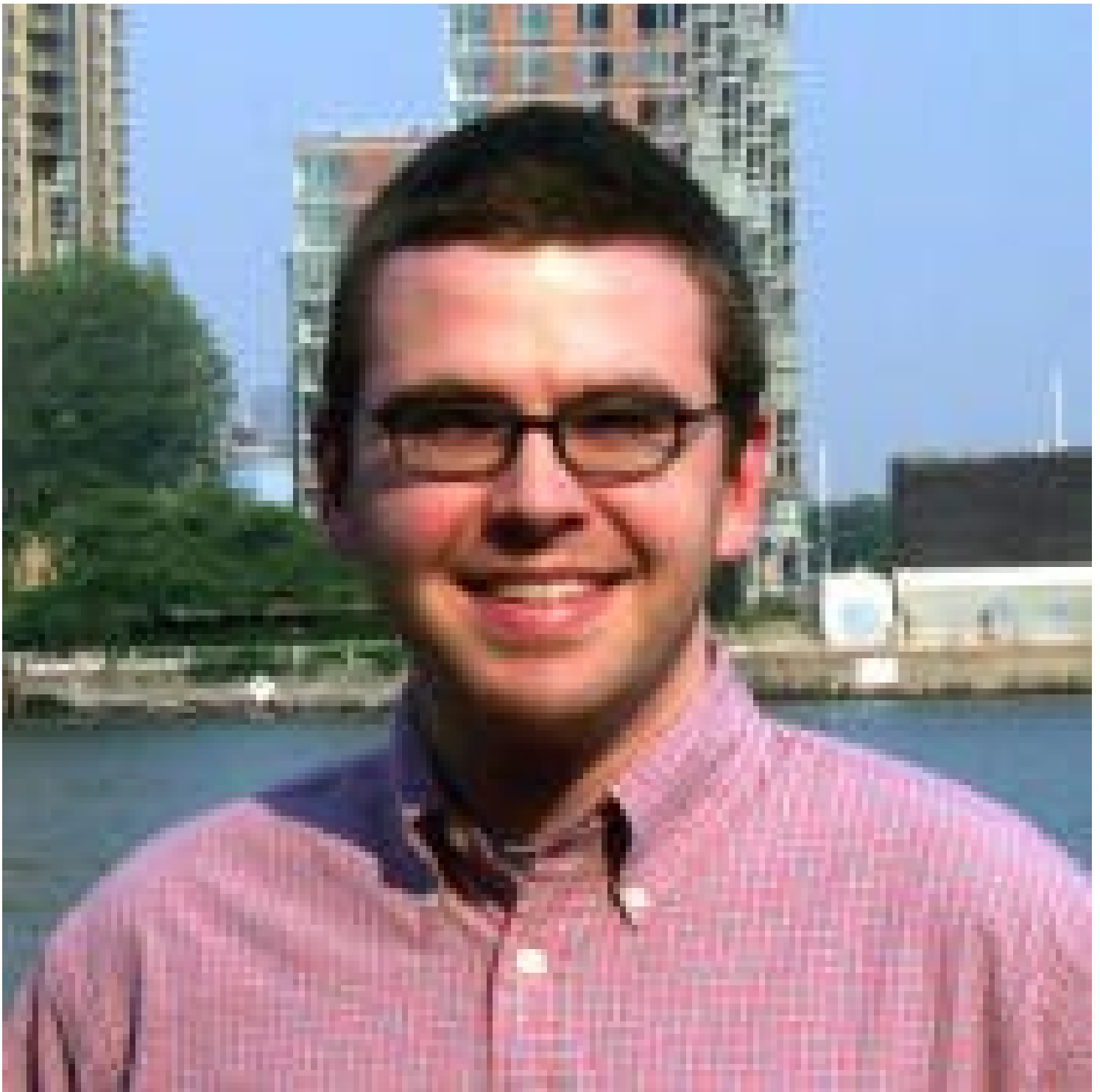
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Christopher Stratton, PhD
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Start Year

2007

End Year

2012

Scientist, 2018-present
Janssen Research & Development
Spring House, Pennsylvania

Senior Scientist, 2016–2018
Pfizer
Groton, Connecticut

Postdoctoral Fellow, 2012–2016
with Prof. Vern L. Schramm
Department of Biochemistry
Albert Einstein College of Medicine

PhD, Weill Cornell Medical College, 2012
Tri-Institutional PhD Program in Chemical Biology

BS, SUNY Stony Brook, 2006
with Prof. Peter J. Tonge
Department of Chemistry

Thesis: *The Diversity-Oriented Synthesis of Macrocycles using Oxidative Ring Expansion Reactions*, June 27, 2012

Publications

Principal component analysis as a tool for library design: A case study investigating natural products, brand-name drugs, natural product-like libraries, and drug-like libraries.

Wenderski, T. A.; Stratton, C. F.; Bauer, R. A.; Kopp, F.; Tan, D. S.* *Methods Mol Biol.* 2015, *1263*, 225–242.

[[Abstract](#) | [PubMed](#)]

A diversity-oriented synthesis approach to macrocycles via oxidative ring expansion.

Kopp, F.; Stratton, C. F.; Akella, L. B.; Tan, D. S.* *Nat. Chem. Biol.* 2012, *8*, 358–365.

[[Abstract](#) | [PubMed](#) | [PMC](#)]

(*Highlighted in [SciBX](#)*)

Mechanism and inhibition of saFabI, the enoyl reductase from *Staphylococcus aureus*.

Xu, H.; Sullivan, T. J.; Sekiguchi, J.; Kirikae, T.; Ojima, I.; Stratton, C. F.; Mao, W.; Rock, F. L.; Alley, M. R. K.; Johnson, F.; Walker, S. G.; Tonge, P. J.* *Biochemistry* 2008, *47*, 4228–4236.

[[Abstract](#) | [PubMed](#)]

Evidence from Raman spectroscopy that InhA, the mycobacterial enoyl reductase, modulates the conformation of the NADH cofactor to promote catalysis.

Bell, A. F.; Stratton, C. F.; Zhang, X.; Novichenok, P.; Jaye, A. A.; Nair, P. A.; Parikh, S.; Rawat, R.; Tonge, P. J.* *J. Am. Chem. Soc.* 2007, *129*, 6425–6431.

[[Abstract](#) | [PubMed](#)]

Structure of acyl carrier protein bound to FabI, the FASII enoyl reductase from *Escherichia coli*.

Rafi, S.; Novichenok, P.; Kolappan, S.; Zhang, X.; Stratton, C. F.; Rawat, R.; Kisker, C.*; Simmerling, C.*; Tonge, P. J.* *J. Biol. Chem.* 2006, *281*, 39285–39293.

[[Abstract](#) | [PubMed](#)]

High affinity InhA inhibitors with activity against drug-resistant strains of *Mycobacterium tuberculosis*.

Sullivan, T. J.; Truglio, J. J.; Boyne, M. E.; Novichenok, P.; Zhang, X.; Stratton, C. F.; Li, H.-J.; Kaur, T.; Amin, A.; Johnson, F.; Slayden, R. A.*; Kisker, C.*; Tonge, P. J.* *ACS Chem. Biol.* 2006, *1*, 43–53.

[[Abstract](#) | [PubMed](#)]

