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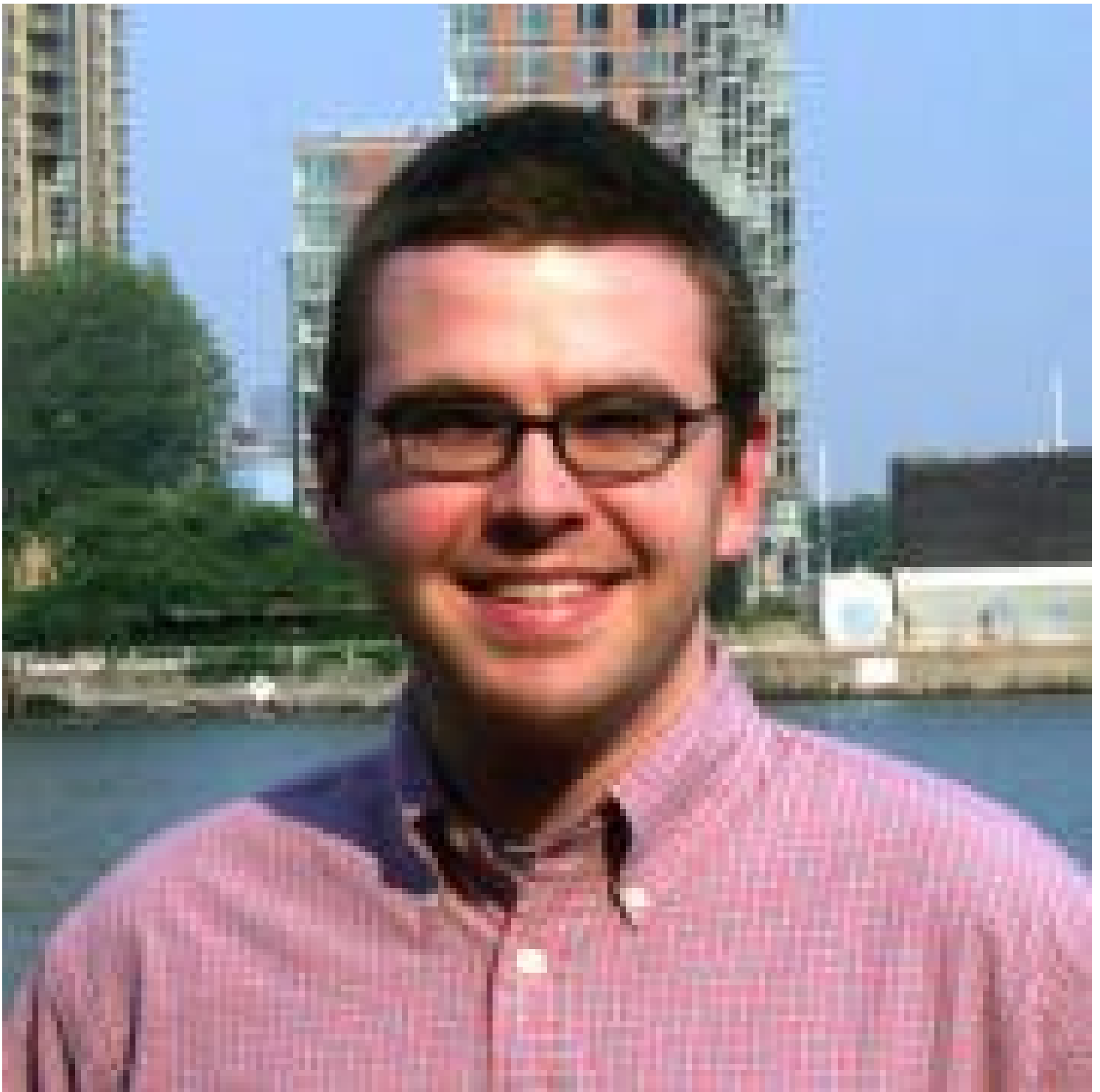
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## Christopher Stratton, PhD

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**Email**

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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

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## 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](#) ]

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