

Xiang Yang Yu, Ph.D.

Consultant - Program Manager

Summary. Program management expert with broad experience in project management and strategic alliances in multiple therapeutics areas. Extensive experience in drug discovery and development for advancing compounds to clinical candidates. Areas of experience and expertise include:

- Project Planning and Implementation
- Discovery, Pre-Clinical PK/PD and CMC
- Evaluation of Drug Development Pipeline
- Cross-functional Team Leadership
- Due Diligence Evaluation
- CRO Management
- Building Strategic Alliances
- Regulatory filings

Professional Experience

Accellent Partners

Project Manager: 2014 - present

Ironwood Pharmaceutical, Inc.

Principal Investigator: 2010 – 2014

Epix Pharmaceutical, Inc.

Director/Assistant Director: 2005 – 2009

Activbiotics, Inc.

Senior Research Scientist II: 2003 – 2005

Cubist Pharmaceuticals, Inc.

Senior Research Scientist/Research Scientist: 1994 - 2003

Education/Certification

1992; MS, Florida State University, Organic Chemistry

1994; Ph.D., Florida State University, Organic Chemistry

2007; Executive MBA Program by OCEAN at MIT

2008; Biotechnology Project Management Program, Massachusetts Biotechnology Council

Drug Discovery/Preclinical Development and Project Management Experience

- Drug discovery and Preclinical development – CNS, infectious, autoimmune, inflammation, fibrosis, cardiovascular, metabolic and oncology with small molecules and peptides
- Medicinal chemistry, drug targets, preclinical pharmacokinetics, pharmacodynamics and toxicokinetics
- Extensive program management experience working with pharmaceutical companies, CROs and academic collaborators in the U.S., Europe and Asia.
- Performed due diligence evaluations and managed CROs
- Assisted with regulatory filings

Selected Publications

- Saha, A.; Yu, X.; Lobera, M.; Marantz, Y.; Lin, J.; Cheruku, S. R.; Becker, O.; Marantz, Y.; Schutz, N. S1P receptor modulating compounds and use thereof, US Patent, 7,790,707
- Burli, R.; Cee, Victor J.; Golden, J.; Lanman, B. A.; Neira, S.; Saha, A.; Schutz, N.; Yu, X.; Mccauley, D.; Lobera, M.; Marantz, Y.; Lin, J.; Cheruku, S. R.; Orbach, P.; Sharadendu, A.; Penland, R. C.; Gannon, K.; Shacham, S.; Noiman, S.; Becker, O.; Zhang, Z. S1P receptor modulating compounds and use thereof, US Patent, 7,919,519
- Hudson, C.; Barden, T. C.; Jia, J.; Mermerian, A.; Peng, B.; Yang, J.; Yu, X. Y.; Sprott, K. Preparation of indole and azaindole compounds as FAAH inhibitors, PCT Int. Appl. (2012), WO 2012088469.
- Saha, A.; Yu, X.; Lin, J.; Lobera, M.; Cheruku, S. R.; Becker, O.; Marantz, Y.; Schutz, N.; Burli, R.; Cee, V. J.; Golden, J.; Lanman, B. A.; Neira, S. Benzofurans and related compounds as S1P receptor modulators and their preparation, pharmaceutical compositions and use in the treatment of autoimmune and related immune diseases. PCT Int. Appl. (2007), WO 2007109334.
- Van Duzer, J. H.; Siedlecki, J. M.; Yu, X. Y. "Rifamycin analogs and uses thereof" U.S. Pat. Appl. Publ. (2007), US 2007105849.
- Becker, O.; Lobera, M.; Melendez, R. E.; Sharadendu, A.; Wu, L.; Yu, X. Y.; Dhanoa, D. S.; Cheruku, S. R.; Marantz, Y.; Noiman, S.; Fichman, M.; Senderowitz, H.; Shacham, S.; Saha, A.; Orbach, P. "Preparation of piperazinylarylamines as 5-HT6 modulators" PCT Int. Appl. (2006), WO 2006081332.
- Yu, X. Y.; Finn, J.; Hill, J. M.; Wang, Z. G.; Keith, D.; Silverman, J.; Oliver, N. "A Series of Heterocyclic Inhibitors of Phenylalanyl t-RNA Synthetases with Antibacterial Activity" Bioorganic & Medicinal Chemistry Letters (2004), 14(5), 1343-1346.
- Yu, X. Y.; Finn, J.; Hill, J. M.; Wang, Z. G.; Keith, D.; Silverman, J.; Oliver, N. "A Series of Spirocyclic Analogs as Potent Inhibitors of Bacterial Phenylalanyl t-RNA Synthetases" Bioorganic & Medicinal Chemistry Letters (2004), 14(5), 1339-1342.
- Siedlecki, J.; Hill, J.; Parr, I.; Yu, X. Y.; Morytko, M.; Zhang, Y.; Silverman, J.; Controneo, N.; Laganas, V.; Li, T.; Tao, J.; Keith, D.; Shimer, G.; Finn, J. "Array synthesis of novel lipodepsipeptide" Bioorganic & Medicinal Chemistry Letters (2003), 13(23), 4245-4249.
- Hill, J.; Siedlecki, J.; Parr, I.; Morytko, M.; Yu, X. Y.; Zhang, Y.; Silverman, J.; Controneo, N.; Laganas, V.; Li, T.; Lai, J.; Keith, D.; Shimer, G.; Finn, J. "Synthesis and biological activity of N-Acylated ornithine analogues of daptomycin" Bioorganic & Medicinal Chemistry Letters (2003), 13(23), 4187-4191.
- Hill, J. M.; Parr, I.; Morytko, M.; Siedlecki, J.; Yu, X. Y.; Silverman, J.; Keith, D.; Finn, J.; Christensen, D.; Lazarova, T.; Watson, A. D.; Zhang, Y. "Preparation of novel lipopeptides as antibacterial agents" PCT Int. Appl. (2001), WO 0144272.
- Yu, X. Y.; Hill, J. M.; Yu, G.; Yang, Y.; Kluge, A. F.; Keith, D.; Finn, J. "A series of quinoline analogs as potent prolyl t-RNA synthetase inhibitors" Bioorganic Medicinal Chemistry Letters, (2001), 11(4), 541-544.
- Finn, J.; Yu, X. Y.; Wang, Z.; Hill, J. M.; Keith, D.; Gallant, P.; Wendler, P. "Preparation of tetracyclic heterocycles as bactericides and medical fungicides" PCT int. Appl. (2000), WO 0017206.
- Finn, J.; Yu, X. Y.; Wang, Z.; Hill, J. M.; Keith, D.; Gallant, P.; Wendler, P. "Preparation of diazabicyclooctanones and analogs as t-RNA synthetase inhibitors" PCT int. Appl. (2000), WO 0018772.
- Yu, X. Y.; Hill, J. M.; Yu, G.; Wang, W.; Kluge, A. F. "Synthesis and structure-activity relationships of a series of novel thiazole analogs as tRNA synthetase inhibitors" Bioorganic Medicinal Chemistry Letters 9, (1999), 375.
- Krafft, M. E.; Yu, X. Y.; Milczanowski, S. E.; Donnelly, K. D. "Diastereoselectivity in the Amine-Directed Hydrocarboxylation" Journal of American Chemical Society, 1992, 114, 9216.

Professional Affiliations

- American Chemical Society
- President, Chinese American BioMedical Association (CABA), 2013-2014
- Board Director, CABA, 2014 – present
- Referee for Bioorganic Medicinal Chemistry Letters