USC-Neurocrine Biosciences
Postdoctoral FELLOWSHIP PROGRAM
2022-2024
### About Neurocrine Biosciences

Neurocrine Biosciences is a neuroscience-focused, biopharmaceutical company with 30 years of experience discovering and developing life-changing treatments for people with serious, challenging, and under-addressed neurological, endocrine and psychiatric disorders. The company’s diverse portfolio includes FDA-approved treatments for tardive dyskinesia, Parkinson’s disease, endometriosis* and uterine fibroids*, with three pivotal and five mid-stage clinical programs in multiple therapeutic areas. Headquartered in San Diego, Neurocrine Biosciences specializes in targeting and interrupting disease-causing mechanisms involving the interconnected pathways of the nervous and endocrine systems. *in collaboration with AbbVie

### About USC School of Pharmacy

The USC School of Pharmacy is the only private pharmacy school on a major health sciences campus, which includes the Keck School of Medicine, Keck Hospital of USC and the USC Norris Comprehensive Cancer Center and is immediately adjacent to the LAC+USC Medical Center, one of the largest public hospitals in the country.

**Ranked by US News and World Report as a top ten pharmacy school nationwide and #1 among private schools.**

The USC School of Pharmacy is recognized for its century-old reputation for innovation in pharmaceutical education, clinical practice, and research. The School uniquely spans the entire spectrum of pharmaceutical development and clinical care – from drug discovery to regulatory approaches that promote safety and innovation, from delivery of patient care services to evaluating the impact of care on patient outcomes and costs.

### Products and Pipeline

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>INDICATION</th>
<th>PHASE 1</th>
<th>PHASE 2</th>
<th>PHASE 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>valbenazine*</td>
<td>Tardive Dyskinesia (Japan)</td>
<td>Filed Marketing Authorization</td>
<td></td>
<td></td>
</tr>
<tr>
<td>valbenazine*</td>
<td>Chorea in Huntington Disease</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>valbenazine*</td>
<td>Dyskinesia Due to Cerebral Palsy</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBI-827104</td>
<td>Rare Pediatric Epilepsy: CSWS</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBI-827104</td>
<td>Essential Tremor</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBI-921352</td>
<td>Rare Pediatric Epilepsy: SCN8A-DEE</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBI-921352</td>
<td>Focal-Onset Seizures in Adults</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>crinecerfont</td>
<td>Congenital Adrenal Hyperplasia (Adult)</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>crinecerfont</td>
<td>Congenital Adrenal Hyperplasia (Pediatric)</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBI-1065844</td>
<td>Adjunctive Treatment of Schizophrenia</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>luvadaxistat (NBI-1065844)</td>
<td>Cognitive Impairment Associated with Schizophrenia (CIAAS)</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBI-1065845</td>
<td>Inadequate Response to Treatment in Major Depressive Disorder</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBI-1065846</td>
<td>Anhedonia in Depression</td>
<td>Registrational</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*CSWS = Epileptic Encephalopathy with Continuous Spikes and Waves During Sleep
Neurocrine Biosciences has global rights, unless otherwise noted.
†Under license from Bial. ‡Abbvie has global commercialization rights.

(C)2021 Neurocrine Biosciences Inc. All rights reserved. All trademarks are owned by or licensed to Neurocrine Biosciences Inc.
Dear Candidates,

As you consider the next chapter in your professional career, we would like to thank you for your interest in exploring our USC-Neurocrine Biosciences Industry Fellowships. The growing biopharmaceutical industry provides an incredible opportunity for those looking for a diverse and different profession.

As founders and directors of the fellowship program here at Neurocrine, we are committed to providing experiences that will help shape the future leaders in Medical and Regulatory Affairs. To guide and prepare our fellows for a career in industry, our program offers a wealth of mentorship, diverse training, and numerous opportunities within the core medical functions. Our fellows become part of our team. They will contribute to multidisciplinary groups and building relationships across various departments and functions. Moreover, we have seasoned preceptors and the support of a company committed to its employees and the patients we serve. Our culture of integrity, innovation, inclusiveness, and collaboration creates an atmosphere which promotes amazing opportunities for our employees and fellows. By working together, we are committed to focusing on improving more lives of patients through a strong and expanding pipeline, a growing workforce, supporting our local community, and staying passionate about our science. This is an exciting time at Neurocrine!

Best of luck as you explore the different opportunities available to you, and we strongly encourage you to consider our Fellowship. On behalf of Neurocrine, we wish you much success in finding the program that is the best for you.

Sincerely,

Paul Minne, PharmD
Field Medical, MSL Director

Khody Farahmand, PharmD
Medical Communications, Executive Director

Micheline Awad, MBA
Regulatory Affairs Director

At Neurocrine Biosciences we pride ourselves on having a strong, inclusive and positive culture based on our shared mission and values.
As the current Medical Affairs fellow, I am provided with the resources and opportunities to make meaningful contributions to my team and cross-functionally. From the support of my mentors and team members, to the wide array of projects and opportunities, I am able to receive a broad learning experience tailored to my interests. The opportunities at Neurocrine provide me with the tools to become a future leader in Medical Affairs, and with my mentors actively invested in my success even beyond the fellowship, I am able to grow professionally and personally.

As the first Field Medical/MSL fellow at Neurocrine, I am excited to watch this program continue to grow and expand. I am grateful for the opportunity to work and interact with supportive team members and cross-functional colleagues, who foster both my personal and professional growth. The structure of this fellowship allows me to gain unique, hands-on experience both in-house and in the field. I am confident that with the invaluable and endless opportunities at Neurocrine and the strong focus on mentorship, I will develop the necessary skills to build a successful career as an MSL.
Medical Communications Fellowship

The one-year Medical Communications Fellowship is designed to provide the trainee a broad understanding of the various roles and responsibilities within Medical Affairs. The fellowship will provide training activities that support company goals, as well as developmental opportunities through broad-based hands-on experiences and mentorships that integrate them into several medical strategic initiatives. Upon completion of the program, the Fellow will be better prepared for the challenges of a Medical Communications career in the pharmaceutical industry.

Fellowship Objectives

- Train as a member of the Medical Communications team to gain insight into the various roles within Medical Affairs and other functional groups.
- Rotate through a number of core Medical functions with the opportunity to contribute to multidisciplinary teams and build relationships across departments and functions (e.g., health economics and outcomes research, regulatory, market access, clinical development, marketing, and compliance).
  - Medical Information: Deliver accurate, fair-balanced, evidence-based information to patients and healthcare professionals.
  - Medical Content Development: Create, manage, and update key resources used by internal and external stakeholders to accurately and clearly communicate disease state information, and data on Neurocrine-approved and pipeline products.
  - Publications: Train in cross-functional teams to assist with the execution of the strategic publication plans.
  - Medical Training: Collaborate with key internal stakeholders to support the development of educational materials based on Neurocrine therapies and disease states.
  - Field Medical: Support the field medical team through various activities, training, and initiatives that are strategically aligned with key opinion leader (KOL) priorities. Gain Medical Science Liaison field experience.
- Identify medical team needs and data gaps and collaborate internally to help drive appropriate solutions and projects.
- Develop, implement, and present a longitudinal research project.
- Serve as a rotation preceptor to pharmacy students.
- Collaborate with the other Neurocrine Fellows.
- Complete required graduate coursework at the University of Southern California with the opportunity to complete a Certificate in Regulatory Sciences.
- Participate in the University of Southern California, School of Pharmacy Professional Development and Leadership Retreat.

Field Medical Affairs/MSL Fellowship

The two year Field Medical Affairs/Medical Science Liaison (MSL) Fellowship is designed to provide the trainee with a comprehensive understanding of the MSL role and insight into the various roles within Medical Affairs. The fellowship will provide training activities that support company goals as well as developmental opportunities through broad-based hands-on experiences and mentorships that integrate them into several Medical Affairs strategic initiatives. Upon completion of the program, the Fellow will be better prepared for the challenges of an MSL career in the pharmaceutical industry.

Fellowship Objectives

- Gain Medical Science Liaison experience and training in the field by learning to build collaborative KOL relationships, effective communication skills, participate in scientific data exchange, and apply the medical strategy during real life HCP interactions.
- Collaborate with key cross-functional internal partners with Neurocrine including the Managed Care Liaisons, Medical Communications, Medical Information, Health Economics Outcomes Research, medical directors, clinical development, compliance, regulatory, and marketing.
- Participate in MSL certification and presentation skill development.
- Train as a core member of the Field Medical Affairs team to assist in providing accurate, fair-balanced, evidence-based information about Neurocrine approved and pipeline products to internal stakeholders and external customers.
- Identify medical team needs and data gaps and collaborate internally to help drive appropriate solutions and projects.
- Support the product speakers’ bureaus.
- Understanding of research initiatives through active participation in site nominations, study initiation visits, data dissemination, and the Investigator Initiated Trial (IIT) process.
- Develop, implement, and present a longitudinal research project.
- Serve as a rotation preceptor to pharmacy students.
- Mentor first year Fellow in the second year.
- Collaborate with the other Neurocrine Fellows.
- Complete required graduate coursework at the University of Southern California with the opportunity to complete a Certificate in Regulatory Sciences.
- Participate in the University of Southern California, School of Pharmacy Professional Development and Leadership Retreat.
Regulatory Affairs Fellowship

The one-year Regulatory Affairs (RA) Fellowship is designed to provide a broad understanding of the various roles and responsibilities within Regulatory Affairs including Strategy, Chemistry Manufacturing and Control, Advertising and Promotion, Labeling, and Publishing as well as having the opportunity to work on projects in other cross-functional departments such as Quality Assurance, Project Management, and Medical Writing.

The Fellowship will provide hands-on training, experience and mentorship while working with cross-functional partners on Neurocrine developmental programs. The fellow will play a key role in facilitating timely submission of documents to regulatory agencies. In addition, the fellow will have opportunities to work on several projects inside and outside of RA in collaboration with other departments as part of a comprehensive training program.

Upon completion of the program, the fellow will understand the various Regulatory Affairs functions and interactions with key cross-functional partners.

Fellowship Objectives

- Train as a member of the Regulatory Affairs team to gain insight into the various roles within Regulatory Affairs and other functional groups
- Interact with cross-functional partners including Clinical, Manufacturing, Research and Development, Drug Safety, Toxicology, Clinical Pharmacokinetics, Labeling, Quality Assurance, Project Management, Medical Writing, Publishing, Medical Affairs, and Marketing to discuss issues specific to Regulatory Affairs, and apply the information acquired
- Review scientific documents supporting regulatory filings, review current regulations and guidelines, and perform other regulatory intelligence, as needed
- Gain knowledge of overall drug development procedure and role Regulatory Affairs play in devising drug development plan and product approval
- Identify regulatory team needs and data gaps and collaborate internally to help drive appropriate solutions and projects
- Develop, implement, and present a longitudinal research project
- Serve as a rotation preceptor to pharmacy students
- Collaborate with the other Neurocrine Fellows.
- Complete required graduate coursework at the University of Southern California with the opportunity to complete a Certificate in Regulatory Sciences.
- Participate in the University of Southern California, School of Pharmacy Professional Development and Leadership Retreat.

Candidate Application Information

Requirements

- PharmD, MD, or PhD in applicable field from an accredited university within previous 5 years.
- Good oral and written communication skills, ethics, professionalism, leadership and an interest in the biopharmaceutical industry
- Minimum GPA of 3.0

How to Apply

- The application process will open on October 1, 2021.
- The USC Postdoctoral Fellowship Portal can be accessed online at https://provost.sma.usc.edu/prog/fellowship
- You will need to submit the following to USC:
  - Email addresses of three references
  - Curriculum Vitae (CV)
  - Letter of intent
  - Official professional or graduate school transcripts
- In addition to applying through USC, please submit a Curriculum Vitae and Letter of Intent through American Society of Health-System Pharmacists’ (ASHP) Personal Placement Service (PPS) to request a first-round interview.
  - Application materials are due to PPS by November 30, 2021
- Interviews will begin in November 2021.
- Final interviews will be conducted at the ASHP Midyear Clinical Meeting, which will take place the week December 5-9.
- Final due date for all application documents to USC is December 11, 2021.
- Program starts on July 1, 2022.
Points of Contact

For more information, please contact:

University of Southern California

William C. Gong, PharmD, FASHP, FCSHP
Director, Residency and Fellowship Programs
Associate Professor of Clinical Pharmacy
University of Southern California
School of Pharmacy
1985 Zonal Avenue
Los Angeles, California 90089-9121
(323) 442-2625 wgong@usc.edu

Neurocrine Fellowship Team

Ava Bamdad, PharmD
Field Medical Affairs Fellow, 2021-2022
Neurocrine Biosciences Inc.,
abamdad@neurocrine.com

Ivy Bien, PharmD, MS
Medical Affairs Fellow, 2021-2022
Neurocrine Biosciences Inc.,
ibien@neurocrine.com