



Weill Cornell Medicine

Pharmacology Department

Lorraine J. Gudas, Ph.D.
Chairman, Department of Pharmacology, and Revlon Pharmaceutical
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Weill Cornell Medicine
Chair, Graduate Program in Pharmacology
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<https://pharmacology.weill.cornell.edu>

January 15, 2020

PERSONAL & CONFIDENTIAL

Shicheng Guo, Ph.D.
Center for Precision Medicine Research
Marshfield Clinic Research Institute
1000 North Oak Avenue
Marshfield, WI 54449

Dear Dr. Guo:

Pursuant to our discussions and upon your acceptance of the terms and conditions contained herein, I will recommend to the Dean your appointment to the full-time non-faculty academic staff of Weill Cornell Medical College ("Medical College") as Postdoctoral Associate in Pharmacology. The appointment is recommended to begin on or around March 1, 2020 and be effective through February 28, 2021. It is contingent upon our receipt of all required documentation and on the outcome of our usual pre-employment review process. This is a term appointment requiring no further notice of its ending as of February 28, 2021. You may be reappointed based upon your satisfactory performance and funding availability; however, no further notice of non-renewal of this appointment as of February 28, 2021 is required.

You will be training with Dr. Miklos Toth to study epigenetic patterns and changes in neurons during physiological processes, such as memory formation, and as a response to environmental manipulations through the lifetime. More specifically the activities will focus on:

1. Identifying methylation epi-alleles based epigenetic memory created by different environmental exposures by using your expertise and pipeline in specific 'methylation haplotype' analysis.
2. Integrating bulk/snRRBS and scRNA-seq data to build transcriptome-methylome relationships with PCA or TSNE.
3. Attempting to deconvolute GWAS loci/signal identified in population-level of human neuropsychiatric diseases with chromatin activity, sc-RNA-seq, RRBS and WGBS data

created by in the Toth lab to identify conserved process/mechanisms and translate mouse to human data and vice versa.

4.. Studying the epigenetic basis of environmental adaptation and maladaptation across generations.

Other activities will include:

1. Build computational pipelines for the Toth lab to analyze scRNA-seq, WGBS/RRBS, ATAT-seq, and human GWAS data.
2. Help Dr. Toth to train Ph.D. students to master basic computational skills.
3. Prepare an RO1 grant together with Dr. Toth and other collaborators.
4. Increase collaboration with other labs, especially on the computational field.

Depending on your progress, Dr. Toth may nominate you for an Instructor position in the Department of Pharmacology during your first year that will allow you to submit individual and/or multiple PI grants to NIH and other federal agencies. Dr. Toth will help you writing applications and mentor you through the application process. You can also take our grant writing workshop and other courses that can enhance your transition to independence in the future.

The current appointment and promotion policies of Weill Cornell Medical College include a three-month probationary period on postdoctoral trainee appointments at the initiation of each new postdoctoral training position at the Weill Cornell Medical College. During the probationary period, the Department Chair may recommend to the Dean termination of the postdoctoral trainee's appointment prior to the end of the appointment term. However, in such cases the postdoctoral trainee is entitled to three months' notice of termination. Once a postdoctoral trainee's appointment has passed the end of the probationary period, the appointment normally will end on the approved appointment end date. In addition, the total, cumulative length of time spent as a postdoctoral associate at the Medical College is limited to five (5) years. The department chair and the postdoctoral associate may request approval of the Dean for a sixth and final year of training. Academic appointment and promotion policies currently in force at the Weill Cornell Medical College are documented in the institution's Academic Staff Handbook, which can be accessed online at faculty.weill.cornell.edu/handbook. I encourage you to review "Appointment and Promotion of Non-Faculty Academic Staff" and those other sections that pertain to your appointment.

You should consult the Office of Postdoctoral Affairs website at <https://postdocs.weill.cornell.edu> and also visit the "Navigating Weill Cornell Medicine and NYC" website at <https://postdocs.weill.cornell.edu/navigating-wcm-and-nyc>.

Your stipend from WCM will be \$65,000 per annum. You will be entitled to the WCM fringe benefits applicable to trainees on the non-faculty academic staff, such as health insurance coverage. For questions about your benefits, please contact the Weill Cornell Medicine HR Solution Center at 646-962-9247, or online at hrsc.weill.cornell.edu. Please note that you must enroll in or waive Weill Cornell health benefits within 31 days of the effective date of

your appointment. You can make your benefit elections online in the Weill Business Gateway at <http://myapps.weill.cornell.edu>.

Benefits specific to academic staff members are described in "Benefits", in the Academic Staff Handbook (<https://faculty.weill.cornell.edu/academic-policies/academic-staff-handbook>).

In addition to the Medical College academic appointment and promotion policies, compliance with the Cornell University Inventions and Related Property Rights and Conflicts Policies are conditions of appointment. You will be required to complete the Inventions and Related Property Rights Assignment form and Annual Survey Statement of External Financial Interests and External Time Commitments. The Inventions and Related Property Rights Policy and Assignment form are available through the Human Resources Department during the onboarding process. The Annual Survey Statement of External Financial Interests and External Time Commitments is available online at <https://wrg.weill.cornell.edu>. The policy on Research Integrity in the conduct of human, animal, and basic scientific research is available online at <http://researchintegrity.weill.cornell.edu/>

If you have any questions regarding this offer of appointment at the Weill Cornell Medical College, please do not hesitate to contact me. Otherwise, if you find this arrangement acceptable, please indicate your agreement either by return letter or by signing the enclosed copy of this letter and returning it to me. Upon receipt of your signed acceptance letter, your appointment papers can be processed for approval.

Sincerely,



Lorraine J. Gudas, Ph.D.

Professor and Chairman, Department of Pharmacology
Revlon Pharmaceutical Professor of Pharmacology and Toxicology

cc: Office of Faculty Affairs

Accepted _____ Date _____
Shicheng Guo, Ph.D.