



National Institute of  
Diabetes and Digestive  
and Kidney Diseases



**Postdoc position available immediately**

## **Synthetic Bioactive Molecules and Laboratory of Cell Biology**

**NIDDK and NCI, BETHESDA, MD**

**Position Type:** Joint Research position at NIDDK with collaboration at NCI, NIH

**Position Title:** Postdoc position

**Position Description:**

A Postdoctoral position is available in Dr. Daniel Appella's Laboratory of Synthetic Bioactive Molecules in NIDDK. The project will be collaborative with the Laboratory of Cell Biology in the Center for Cancer Research, NCI, NIH in Bethesda, Maryland. The research will focus on studying the anticancer properties and mechanisms of action of thyclotide molecules, which are designed to target and suppress overexpressed microRNA sequences associated with the progression of tumors. The focus will be on identifying novel cancer targets, designing thyclotide molecules to suppress the identified targets, and studying the effects of the thyclotides on cancer cells. Efforts will be made to translate the initial findings into tumor animal models. A mastery of cell culture techniques, FACS, PCR, and western blot is required for this research. Knowledge of microscopy (confocal, super-resolution) and reporter gene assays would be appreciated.

The research for the project will be mostly performed in the Laboratory of Cell Biology in NCI, using thyclotides made in NIDDK. We anticipate uncovering new thyclotides with the potential to eventually become treatments for different types of cancer.

We are seeking highly motivated candidates in the areas of cell biology, cancer biology, and molecular biology. The candidate will work with a research team consisting of staff scientists, postdoctoral fellows, undergraduate students, as well as supporting technicians.

The laboratory is located in NIH Bethesda campus, which has state-of-the art research facilities. Interested candidates must have a Ph.D. within the past two years, as well as strong laboratory and communication skills.

Please send a cover letter, a CV with bibliography, a brief description of research experience and interests, and 3 references to [appellad@nidk.nih.gov](mailto:appellad@nidk.nih.gov). For more information on the Appella lab, please visit <https://irp.nih.gov/pi/daniel-appella>. For information about the research project, please see: <https://doi.org/10.1093/nar/gkac864>

**Employer Name: NIDDK, NIH, Bethesda**

*This position is subject to a background investigation.*

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