Wake Forest University Health Sciences Center for Precision Medicine
Spring 2020 Pilot Program
Request for Applications: CLINICAL SEQUENCING

The Wake Forest University Health Sciences Center for Precision Medicine (CPM) is soliciting applications for targeted pilot projects focused on exploring whole genome sequencing (WGS) of clinical patient samples. The goal of this pilot grant program is to explore the reliability and informativeness of WGS in clinical settings, and to compare the results to traditional genetic testing results obtained from established commercial sources. Specifically, the RFA is to generate WGS on samples from patients who are undergoing targeted genetic testing as part of routine clinical care, and where the results from the commercial testing can be compared to the WGS results. We specifically encourage young faculty in early stages of their careers to explore this funding opportunity to assess the utility of WGS.

Applications should highlight the clinical focus, the estimated number of patients commonly seen and tested at WFBH for this condition, and the targeted genetic data available for these patients. Each application should outline specifically what information is to be obtained from the WGS, and what help and support is requested from the CPM in addition to the data generation (e.g. sample collection, DNA isolation, data analysis, report generation).

Application Format:

- Face Page
- Research Plan (not to exceed 3 pages):
  - Background, justification of disease, rationale for WGS analysis
  - Description of available samples and data
  - Estimated timeline for approval of the study (IRB protocol, sample collection if necessary)
- References
- Detailed budget (may use NIH format) and Justification:
  - Funds can be requested for technical personnel and laboratory supplies relevant to the sample collection and preparation for up to $10,000, to be spent within 6 months of the award start date
  - The Pilot Grants will NOT support faculty salary
  - Please do NOT include estimated costs for WGS data generation
- NIH format Biographical Sketch (including other support)

Key Dates:

- Pilot application deadline: April 3, 2020. Please send the application as a single pdf document to grpate@wakehealth.edu
- Anticipated award start date: May 1, 2020

Inquiries should be sent to: molivier@wakehealth.edu