Instructions for
2018 PRECISION MEDICINE RESEARCH FELLOWSHIP APPLICATION

The Precision Medicine Research Fellowship aims to create the next generation of leaders in the development and application of Precision Medicine science and methods to improve public health. This new research fellowship in precision medicine will train physicians/researchers to use genomics and complex clinical data to improve clinical care and clinical outcomes by tailoring prevention, screening, and medical interventions based upon individual patient characteristics. The two-year program will include required didactic lectures in precision medicine as well as coursework in systems biology, genomics, statistics, ethics, and/or medical informatics according to the applicant’s background and future career goals.

The applicant will need to identify a faculty mentor at Columbia University and propose a research project in precision medicine to be started on July 1, 2018. The faculty mentor must be a member of any department at Columbia University and will be responsible for mentoring the fellow in the execution of the research project and in learning relevant aspects of precision medicine.

Fellows will receive a salary and a modest budget for tuition and research-related expenses for a total of $100,000/year including fringe benefits. Exact allocation of funds is to be determined by the mentor/applicant team and should be specified in the Budget section of the application.

ELIGIBILITY:

To be eligible, applicants must have a Ph.D., M.D., D.D.S., or comparable doctoral degree from an accredited domestic or foreign institution. Eligible doctoral degrees include, but are not limited to, the following: D.M.D., D.C., D.O., D.V.M., O.D., D.P.M., Sc.D., Eng.D., Dr. P.H., D.N.Sc., D.P.T., Pharm.D., N.D. (Doctor of Naturopathy), D.S.W., Psy.D, as well as a doctoral degree in nursing research. Two years of full-time participation are required. Applicants with prior research experience and background in genomics or informatics are especially encouraged to apply.

The Fellowship is open to eligible applicants regardless of citizenship status.

Applicants should ideally be clinical fellows who have completed the majority of their clinical training or post-doctoral fellows and be willing to devote two years to training and research in precision medicine. Instructors or assistant professors in the first year of their faculty appointment will be considered. Preference will be given to applicants who do not hold NIH awards of similar intent.

REQUIREMENTS:

As part of the training program, fellows will be required:

• to take M7208 and M9780 courses for credit;
• to attend monthly Advances in Precision Medicine seminar series and Precision Medicine colloquium;
• to submit progress reports and meet with Fellowship co-directors semiannually;
• to prepare an application for external funding support based on the results of research work conducted during this Fellowship.
APPLICATION DIRECTIONS:

1) **Complete all sections of the Application Form** (personal information, contact information of Columbia University faculty mentor, personal statement, training plan, synopsis of research proposal, budget, funding sources, signature page).

2) **Prepare F32 NIH Fellowship-style research proposal** (4 pages maximum excluding references) including:
   - Page header: Proposal title, applicant’s first name and last name
   - Specific Aims (1 page)
   - Research Strategy (3 pages)
     i. Significance
     ii. Approach
   - References

3) **Provide the following supporting documents:**

   *(for Columbia University applicants)*
   - Applicant’s *curriculum vitae*
   - Columbia University faculty mentor’s NIH biosketch and other support
   - Letter of support from the faculty mentor detailing planned interactions with applicant (to be sent to [avf2117@cumc.columbia.edu](mailto:avf2117@cumc.columbia.edu))
   - Letter of support from the sponsoring division chief or department chair (to be sent to [avf2117@cumc.columbia.edu](mailto:avf2117@cumc.columbia.edu))

   *(for applicants who are not currently affiliated with Columbia University)*
   - Applicant’s *curriculum vitae*
   - Proposed Columbia University mentor’s NIH biosketch and other support
   - Letter of support from the proposed faculty mentor detailing planned interactions with applicant and two additional letters of recommendations (to be sent to [avf2117@cumc.columbia.edu](mailto:avf2117@cumc.columbia.edu)).

   Letter of support/letters of recommendation could also be sent in mail to the following address:
   Irving Institute for Clinical and Translational Research
   Columbia University Medical Center
   630 West 168th Street, PH-10-305C
   New York, NY 10032

4) **Merge Application Form, research proposal, applicant’s CV, faculty mentor’s biosketch into a single PDF file and submit by 5:00pm EDT on Friday, May 18, 2018, to [avf2117@cumc.columbia.edu](mailto:avf2117@cumc.columbia.edu) with the subject line “2018 Precision Medicine Research Fellowship Application”.

   **FAILURE TO FOLLOW THESE DIRECTIONS WILL RESULT IN THE APPLICATION BEING RETURNED TO YOU WITHOUT REVIEW. DO NOT INCLUDE APPENDICES.**

   **APPLICATION DEADLINE: 5:00pm EDT, Friday, May 18, 2018**

   **FELLOWSHIP START DATE: July 1, 2018**