

**3D Printed, Patient-Specific, Cardiac Flow Simulator
Postdoc
Weill Cornell Medical College**

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Job Title	3D Printed, Patient-Specific, Cardiac Flow Simulator Postdoc
Department	Radiology
Institution	Weill Cornell Medical College New York, New York
Date Posted	Sep. 4, 2020
Application Deadline	Open til filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Robotics Mechanical Engineering Material/Metallurgy Bioengineering (all Bio-related fields)
Apply By Email	sid2012@med.cornell.edu

Job Description

The Dalio Institute of Cardiovascular Imaging at the Weill Cornell Medical College seeks a talented and enthusiastic individual participate in the development of a realistic patient specific 3d printed coronary vessel models and to utilize them for simulation and testing of hemodynamics, disease states, and medical devices. The individual would be responsible for developing and fabricating the model based on cardiac CT images. In addition, they will be responsible for construction and maintenance of realistic cardiac flow loops with appropriate controls to produce realistic in vitro simulation of normal cardiac conditions.

Applicants are expected to have a strong background in fabrication and experimental flow simulation. In addition, they should have an understanding of cardiovascular anatomy and function, particularly coronary hemodynamics. Applicants are expected to be skilled at CAD, 3D printing, and image processing. The Dalio Institute is a highly collaborative team based environment. Applicants will be

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expected to collaborate closely with other researchers in the lab.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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