



CollPlant Biotechnologies WE'RE HIRING!

R&D Engineer, Computational Biomechanics

CollPlant Biotechnologies is developing technologies in the fields of regenerative medicine, 3D bioprinting of tissues and organs and medical aesthetics. We are looking for a highly motivated computational mechanics expert, for design, characterization and fabrication process development of scaffolds for regenerative medicine applications.

Primary job responsibilities:

- Development of mathematical models of isotropic/anisotropic composite materials, including determination of effective mechanical properties
- Structural design of 3D scaffolds, including CAD (SOLIDWORKS, MATLAB etc.) and strength analysis
- Numerical analyses (FEA)
- Material characterization and lab testing (evaluate formulation of BioInk based on natural and synthetic polymers)
- Execution of submission analyses and reports for product life span and integrity
- Design of experimental procedures
- Develop a scalable fabrication process
- Tech transfer to manufacturing department and collaboration with other multidisciplinary teams (internal and external)
- Report to VP R&D

Education:

- MSc or PhD in mechanical engineering or equivalent (can be in Material engineering or Biotechnology with relevant experience).

Experience:

- Experience of minimum 2 years in similar position
- Knowledge in CAD
- Experience with polymers (synthetic and natural) - Advantage
- Characterization of constructs' physical properties
- Product development including Gantt charts and budget control- an advantage
- Managing experience – advantage.
- Good technical approach.
- High communication skills

Join us: careers@collplant.com