

Multiple roles in display technologies and antibody engineering/biochemistry at Pandion Therapeutics

Pandion Therapeutics Inc is an exciting startup based in the heart of Kendall Square developing next generation multi-specific therapeutic molecules to revolutionize the treatment options for patients with autoimmune and inflammatory disorders, as well as in transplant rejection. We offer an exciting opportunity for talented, dynamic individuals, who can bring energy and enthusiasm to the table in joining us to execute on our mission.

Responsibilities

Molecular Biology and Display Technologies Scientists

- Perform solid/solution based selections against recombinant proteins and performance of selections against targets expressed on the surface of cells.
- Utilization of phage and/or yeast based selection platforms for antibody discovery.
- Development of binding and simple functional assays that are compatible with high throughput screening using crude *E.coli* lysates, using platforms such as ELISA or HTRF.
- Inter-conversion of antibodies from fragments such as scFvs, into an IgG format and bispecific/multispecific antibody formats for expression.
- Prepare samples for DNA sequencing and perform analysis of sequencing data to understand ab diversity.
- Design, build and QC display based libraries for use in affinity optimization of antibodies.
- Perform analyses to understand antibody sequence/structure relationship to affinity/potency.

Protein Production and Biochemistry Scientists

- Prepare and sequence verify recombinant DNA for transfection/transformation.
- Perform bacterial / mammalian cell culture from small (shaker flask) to large (bioreactor/wavebag) scale.
- Perform purification of recombinant proteins, including antibodies, up to gram scale
- Perform analytical and/or preparative chromatographic separations using protein A, protein G, protein L or IMAC resins, size exclusion chromatography, HIC and ion exchange. Develop purification processes.
- Utilize AKTA FPLC and Agilent HPLC platform for execution of analytics/purification.
- Perform epitope binning and kinetic analyses of antibodies using biosensor platforms.
- Perform biochemical and biophysical analysis including SDS-PAGE, CE-SDS, DSC, SEC-MALS, LC/MS, rheometry, and evaluation of protein polyreactivity and temporal/concentration dependent aggregation properties.

All roles

- Document experimental data in laboratory notebooks in a thorough and timely manner.
- Communicate scientific data in presentations within the company and outside of company at conferences.
- Contribute to writing scientific articles, and examples in patent applications.

Experience and Education

- We are looking for skill sets covering molecular biology, protein biochemistry, and assay development expertise related to the design, isolation, engineering and characterization of antibody and other protein based biologics. Experience working with antibody based proteins is highly desirable.
- We are considering candidates with education up to BS/MS or Ph.D levels in relevant areas including microbiology, biochemistry, molecular biology and molecular immunology.
- We are considering candidates with varied degrees of industrial tenure.
- Exact title will be commensurate with years of relevant experience.

Interested? Please reach, out to Nathan Higginson-Scott at nathan.higginson-scott@pandiontx.com

Pandion Therapeutics is committed to diversity, and proud to be an equal opportunity employer. All qualified candidates will be considered for employment, regardless of race, color, age, ancestry, religion, national origin, gender, gender identity, genetic information, parental or pregnancy status, sexual orientation, citizenship, marital status, disability, or Veteran status.