POSTDOCTORAL POSITION IN
Uludag Lab

One or two PDF positions are available at the Uludag lab (www.uludaglab.com) to study polymeric biomaterials for gene delivery applications. The research project(s) will entail synthesis and characterization of polymeric biomaterials for delivery of different types of nucleic acids, including plasmid DNA, siRNA, microRNA and mixtures of such nucleic acids. The candidate is expected to design and optimize several physical features of polymeric biomaterials, such as charge, hydrophobicity and molecular size, in high throughput synthesis experiments. Initial appointment for the candidate is for 1 year, but further extension of the position is possible based on the availability of funding and candidate’s desire to apply for independent fellowships.

Required qualifications include:
- PhD degree in chemical engineering, materials engineering, chemistry or related field.
- Hands-on synthesis with polymeric materials using advanced techniques.
- Experience with high throughput synthesis or small compounds or polymeric materials is preferred.
- Experience with physical characterization of polymeric materials is required.
- Experience with cell culture techniques for assessment of biomaterial performance and toxicity with mammalian cells.
- Demonstrated competence in data analysis and scientific publications.

To Apply:
Please forward your CV, a brief statement of research interests, 1 to 3 representative publications and contact information for three references to Dr. Hasan Uludag via e-mail (huludag@ualberta.ca).

Closing date:
position open until filled

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.