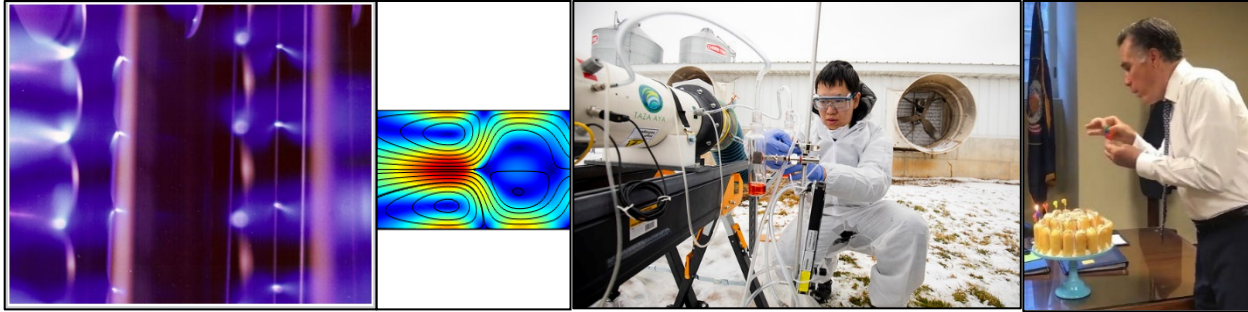


POST-DOCTORAL POSITION ANNOUNCEMENT



Summary: A post-doctoral research scholar position is available in the Dept. of Civil & Environmental Engineering at the University of Michigan (USA), under the supervision of Prof. Herek Clack for research in either of two areas: 1) bioaerosols or 2) non-thermal plasmas.

Responsibilities: In either the bioaerosols or non-thermal plasmas research area, duties will predominantly involve the design and fabrication of experimental apparatuses and subsequent execution of experiments examining bioaerosol transformations resulting from exposure to non-thermal plasmas in air. Numerical modeling of aerosol chemical kinetics and dynamics may also be required.

Qualifications: Candidates with earned doctorates in atmospheric sciences or electrical, chemical, or mechanical engineering disciplines are encouraged; however candidates with bioaerosol or plasma experience holding doctoral degrees in any engineering or physical science discipline will be considered. Candidates are especially encouraged to apply who, in addition to the above qualifications, have experience in fluid-electric coupling (i.e., EHD); numerical simulation of charged aerosols; aerosol oxidation chemistry; single particle fluorescence spectroscopic or fluorescence/chemiluminescence flow visualization techniques.

To apply: Submit application materials through the university job portal (<https://careers.umich.edu/search>), referencing job ID 180616.

For more information:

- <https://clacklab.engin.umich.edu/>
- <https://youtu.be/PQk8Xf8SpLc>
- <https://www.seeker.com/videos/tech/the-fourth-state-of-matter-could-scrub-viruses-from-the-air>
- <https://www.forbes.com/sites/ericmack/2019/04/29/this-new-device-kills-99-9-percent-of-the-viruses-floating-around-in-the-air/>