

## Post-doctoral position in the area of bacteriophage biology within [The Barr Lab](#) at Monash University, [School of Biological Sciences](#), Australia.

Full time position, available immediately, 12-month contract with extension of up to 36-months that is contingent on performance.

The Barr Lab research group is studying bacteriophages within the context of their bacterial and mammalian hosts. Bacteriophages (or phages for short) are the most abundant and diverse microbe found within the body. Phages control and manipulate bacterial populations, prevent infection and disease and have important roles in regulating the microbiome that have not yet been fully elucidated. We are primarily an experimental biology lab that utilises a range of cross-disciplinary techniques to investigate fundamental and mechanistic bacteriophage biology.

We offer an excellent opportunity to engage in an exciting post-doc position that combines microbiology, cell biology, genetics, evolution and microscopy within both *in vitro* and *in vivo* model systems. A number of research projects are available within the lab for the right applicant, including, but not limited to;

- Interaction of temperate phages within the human gut microbiome and characterising the tripartite symbioses they form with bacterial and animal hosts.
- Phage therapy with a focus on identifying mechanism of phage infectivity and translation of results into the clinic.

Applicants are encouraged to read through [the Barr lab website](#), including research directions and expectations, for further information.

### Your responsibilities will include:

- Develop an independent research project within the lab in collaboration with Jeremy Barr.
- Establish and refine stellar research skills, techniques and computational analyses used within the lab.
- Build your own profile as an emerging bacteriophage researcher by publishing first-author papers, contributing to collaborative projects, presenting your work at conferences and advancing the field of bacteriophage biology.
- Co-supervise and mentor graduate and undergraduate researchers within the lab and contribute to the lab culture and dynamic.
- Take advantage of all research and professional development opportunities available to you.

### Your profile includes:

- A doctoral degree in microbiology (or a closely related field)
- A strong publication track-record
- Expertise in bacteriophage biology, microbiome, medical microbiology, or bioinformatics.
- Eagerness and motivation to work in an interdisciplinary and international team.
- Excellent self-organisation and ability to work independently
- Fluency in English

### How to apply:

Interested applicants should contact Jeremy directly via email ([jeremybarr85@gmail.com](mailto:jeremybarr85@gmail.com)) and should include all of the following:

- Letter of intent detailing why you are interested in joining our lab and how your previous experiences qualify you for the research (up to 500 words).
- Curriculum Vitae with list of publications, awards, conference attendance (if applicable).
- Certified copies of your university degree(s) with grades (Bachelor and Masters certificate / Diploma certificate and transcript / Doctoral certificate).
- Short summary of your doctoral thesis and your top research impact (up to 500 words).
- Short description of the research direction you would be interested in pursuing as a post-doc within the lab and how your experience would further advance the project (up to 500 words).
- Suggestion of two referees with contact details.

The position is open immediately. Only potential applicants will be further contacted for a follow up video interview.