

Research Study Title:
Corneal dendritic cell dynamics in comfortable vs. uncomfortable contact lens wear

Researchers at UNSW are conducting a project about how the eye's immune cells behave in those who wear contact lenses and are comfortable, versus those who are not comfortable.

The research study is looking to recruit people who meet the following criteria:

- Aged between 18-40 years
- Comfortable and uncomfortable experienced contact lens wearers (> 1 year of wear)
- Current silicone hydrogel contact lens wearers
- Willing to wear contact lenses for 8-10 hours the day of the study visit
- Willing to attend 1 study visit in the afternoon or evening

Participants meeting the following criteria will be excluded from the study:

- Hydrogel contact lens wearers
- Have any systemic disease that affects the ocular surface or has an inflammatory component such as rheumatoid arthritis, rosacea, ankylosing spondylitis, diabetes, or current chemotherapy
- Have any anti-inflammatory drugs (ibuprofen included), anti-allergy drugs, or immunosuppressants
- Those who are pregnant or breastfeeding

Participants will be asked to complete the following research activities if they agree to participate:

- Study visit at the UNSW School of Optometry and Vision Science Optometry Clinic with your contact lenses on, having worn them for 8-10 hours. Therefore, the study visit will only be conducted in the afternoon or evening. No eye-wetting drops will be used for 2 hours prior to the study visit. We expect that the visit will take approximately one hour to complete.

A full description of all research activities, including any risks, harms, or discomforts that you may experience while participating in this research is included in the attached Participant Information Statement and Consent Form.

Please contact the following person via email or phone to register your interest in taking part in the research:

Name	A/Prof Maria Markoulli
Position	Associate Professor
Telephone	+61 2 9065 7355
Email	m.markoulli@unsw.edu.au

If you have questions about the research, please contact the following person:

Chief Investigator

Name	A/Prof Maria Markoulli
Position	Associate Professor
Telephone	+61 2 9065 7355
Email	m.markoulli@unsw.edu.au