



## CAPSIG NSW

COSMETICS AND PHARMACEUTICAL SPECIAL INTEREST GROUP

ABN 20 932 313 797

CAPSIG is a special interest group of the Australian Society for Microbiology

### Alternate bacterial lifestyles: opportunities for exploitation to combat infections

Professor Cynthia Whitchurch, from the itthree Institute, University of Technology, Sydney, has investigated various aspects of bacterial pathogenesis and biofilms for over 25 years. This has clear implications for the Cosmetic and Pharmaceutical Industries worldwide and this seminar will inform Microbiologists of the research currently being performed in this area. Cynthia will present on: “A major contributor to the ability of pathogenic bacteria to resist the actions of antibiotics and host immune defenses is their ability to transition between different lifestyles. Examples include matrix-encased biofilms; self-organised collective behaviours that lead to rapid biofilm expansion; and morphotype transitions. We have identified several novel phenomena that account for the production of public goods in bacterial biofilms, explain how bacteria self-organise complex collective behaviours and how *P. aeruginosa* survives and proliferates in the presence of high concentrations of  $\beta$ -lactam antibiotics. We are currently exploring opportunities to exploit this new knowledge of bacterial lifestyles to develop innovative approaches to control infection.”

**Date:** Wednesday 12<sup>th</sup> December 2018  
**Venue:** Auditorium Room, Canterbury Hurlstone RSL  
20-26 Canterbury Road, Hurlstone Park.



#### PROGRAMME

5:00 pm – 6:00 pm **Registration**  
6:00 pm – 6:15 pm **Introduction – Dr Alan Heritage, Heritage & Associates (MASM, CAPSIG National Convenor)**  
6:15 pm – 7:00 pm **Professor Cynthia Whitchurch, itthree Institute, University of Technology, Sydney**  
7:00 pm – 7:15pm Question time  
7:15 pm – onwards Dinner, plus the usual annual festive activities in the usual CAPSIG-NSW style!

**Cost:** \$75.00 per person. **Cheques payable to CAPSIG - NSW.** (CAPSIG is a non-profit group with annual turn-over less than the statutory limit and hence GST is not applicable)

**RSVP:** Friday 30<sup>th</sup> November 2018

**Bookings:** Ms. Melissa Bourke on  
[melissa.bourke@biomerieux.com](mailto:melissa.bourke@biomerieux.com)

**This seminar is proudly sponsored by:**



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## BOOKING FORM

Please note, **booking** and **payment** by the RSVP date is essential for attendance.

| <b>Name(s)</b><br><i>please print</i> | <b>Company</b> | <b>Email</b><br><i>please print</i> | <b>Phone</b> | <b>* Would you consent to have your email address be disclosed to sponsors? *</b> |
|---------------------------------------|----------------|-------------------------------------|--------------|---|
|                                       |                |                                     |              | <b>Yes / No</b>   |
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|                                       |                |                                     |              | <b>Yes / No</b>   |

Cheques and booking details to be sent to:

Ms Melissa J BOURKE

PO Box 432

Alexandria NSW 1435

E-mail: [melissa.bourke@biomerieux.com](mailto:melissa.bourke@biomerieux.com)

### CAPSIG BANKING DETAILS:

Account Name: CAPSIG NSW

Account No. 043238414

BSB: 112-879

Bank: St. George

### TERMS AND CONDITIONS

1. Payment must be made by the RSVP date of the seminar.
2. Payment must be by cheque or direct deposit (make sure you include your company / name in the transaction).
3. All cheques must be made to CAPSIG NSW.
4. Cancellations must be made by the RSVP date, otherwise full cost of the seminar must be paid.
5. CAPSIG NSW is a non-profit group with an annual turn-over less than the statutory limit and hence GST is not applicable or charged.
6. If you require an invoice please email Melissa at [melissa.bourke@biomerieux.com](mailto:melissa.bourke@biomerieux.com)

