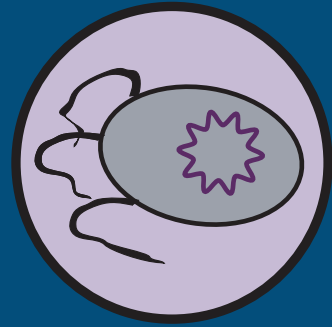


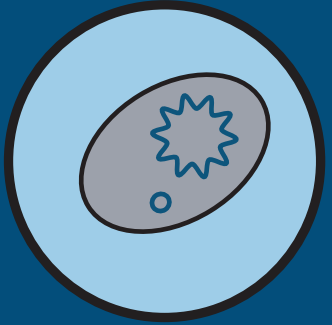
Navigating Public Health Careers

Danielle J. Ingle
@DrDanielleIngle

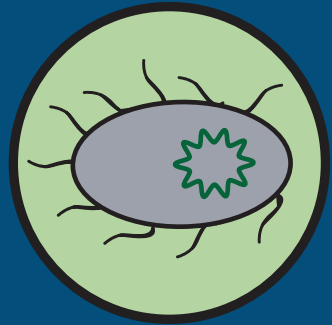
R-Ladies Melbourne



Pathotypes of *Escherichia coli*



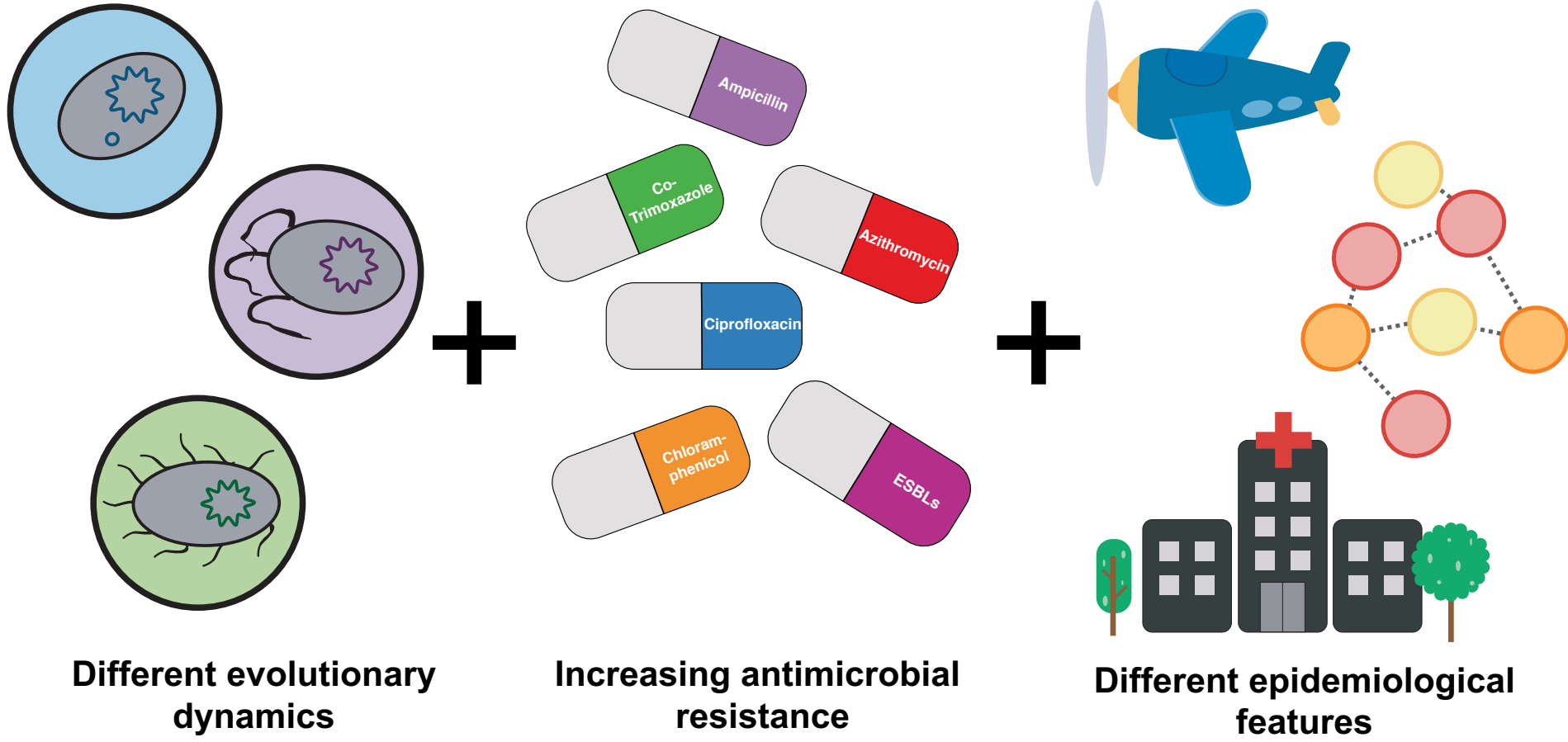
Shigella species



Serovars of *Salmonella* *enterica*



The problems of enteric pathogens



Microbiological Diagnostic Unit Public Health Lab

State diagnostic microbiology laboratories (Public & private)



Other state public health laboratories



Referral laboratories in the Asia Pacific region



UOM

RMH

MDU PHL

VIDRL

Centre for Pathogen Genomics
International public health research, education and training



State Department of Health

Integration with detailed epidemiologic data for local use

National Department of Health and other national bodies

Coordination of national data in public health genomic data sharing platform
Reporting to national authorities

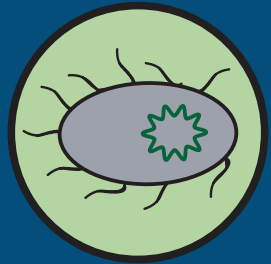
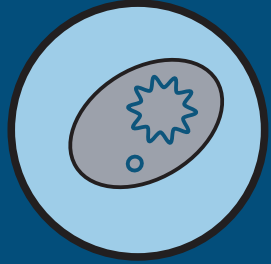
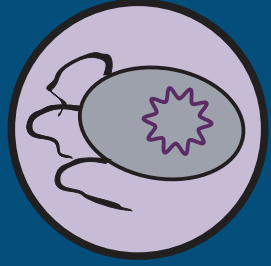


International genomics, WHO CC for AMR and diagnostic laboratory programs

International networks and partnership

A typical day varies a lot

- Analysis
- Reviewing
- Student supervision (PhD)
- Editing
- Teaching
- Conferences
- Meetings
- Reading papers
- More analysis
- Developing new collaborations
- Research visits
- Working with MDU PHL
- Supporting national public health initiatives



Career Pathway

Undergraduate – ANU

- B Arts/ B Science (Honours).

Policy Officer + Graduate Development Program

- Dept of Innovation, Industry, Science and Research

PhD – UniMelb

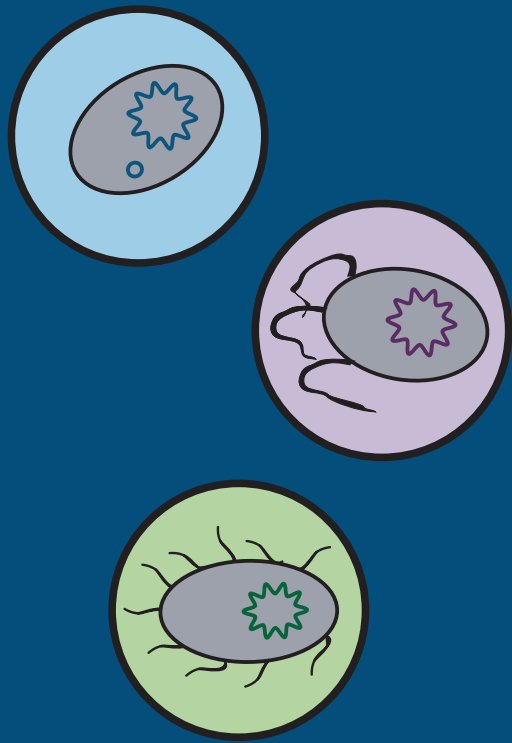
- Single bug. Moved into microbial genomics.

Postdoc – ANU + MDU PHL

- Multiple bugs. Upskill new methods.

Research Fellow – UniMelb

- NHMRC Investigator Fellowship



Navigating Public Health Careers

R-Ladies Melbourne

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