

PROGRAM



Australian Vaccinology Course

Australian Vaccinology Course

DAY 1

Thursday 28 August 2025

Australian Vaccinology Course program

Day 1 Thursday 28 August 2025

How are vaccines and vaccination programs developed?

| Time | Session | Facilitators |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 8:15 a.m. | Registration opens | |
| 9:00 a.m. | Session open <ul style="list-style-type: none">Acknowledgement of CountryOpening remarks | Uncle Craig Madden Professor Kristine Macartney Professor Nicholas Wood |
| 9:30 a.m. | Vaccination in 2025 <i>Learning objective</i> <ul style="list-style-type: none">Analyse challenges and opportunities facing vaccination programs in Australia and the Asia-Pacific region <i>Lecture (25 mins)</i> <ul style="list-style-type: none">Global vaccination strategies and coverageChallenges facing vaccination in 2025 <i>Q&A (5 mins)</i> | Professor Kristine Macartney |
| 10:00 a.m. | How vaccines work <i>Learning objective</i> <ul style="list-style-type: none">Describe how vaccines create immunity in patients across the lifespan <i>Lecture (40 mins)</i> <ul style="list-style-type: none">The immune systemHow vaccines induce protectionTypes of vaccines <i>Q&A (10 mins)</i> | Professor Katie Flanagan |
| 10:50 a.m. | Morning tea | |

| Time | Session | Facilitators |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 11:05 a.m. | Vaccines from research to implementation <i>Learning objective</i> <ul style="list-style-type: none"> Outline the process of vaccine development, from research to implementation, in high- and low-/middle- income settings <i>Lecture (20 mins)</i> <ul style="list-style-type: none"> Manufacturing and clinical trials Regulatory agencies <i>Case study (20 mins)</i> <ul style="list-style-type: none"> Vaccines from research to implementation <i>Q&A (10 mins)</i> | Professor Chris Blyth Professor Helen Marshall |
| 11:55 a.m. | Measuring the impact of vaccination <i>Learning objective</i> <ul style="list-style-type: none"> Measure the impact of vaccination on disease burden, and vaccine effectiveness using surveillance data and coverage assessments <i>Lecture and case studies (35 mins)</i> <ul style="list-style-type: none"> Vaccine preventable disease surveillance Vaccine effectiveness Vaccine coverage <i>Lecture and case study (20 mins)</i> <ul style="list-style-type: none"> Data linkage <i>Q&A (10 mins)</i> | Professor Peter McIntyre Professor Bette Liu |
| 1:00 p.m. | Lunch | |
| 2:00 p.m. | Measuring the impact of vaccination (cont.) <i>Case study (20 mins)</i> <ul style="list-style-type: none"> Measuring the impact of vaccines – hepatitis A vaccination program | Associate Professor Aditi Dey Ms Katrina Clark |
| 2:20 p.m. | Decision making for vaccine policy <i>Learning objective</i> <ul style="list-style-type: none"> Describe evidence-based approaches to vaccination program decision-making processes <i>Lectures (35 mins)</i> <ul style="list-style-type: none"> Immunisation program principles Decision making for vaccination programs <i>Q&A (5 mins)</i> <i>Case study (15 mins)</i> <ul style="list-style-type: none"> Introducing new vaccines: HPV in Australia and the Asia-Pacific region | Professor Allen Cheng Professor Julia Brotherton |

| Time | Session | Facilitators |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 3:15 p.m. | Afternoon tea | |
| 3:30 p.m. | Decision making for vaccine policy (cont.) <i>Activity (105 mins)</i> <ul style="list-style-type: none"> Decision making for introducing new vaccines | Professor Allen Cheng Professor Katie Flanagan Professor Michelle Giles |
| 5:15 p.m. | Day 1 closing remarks | Professor Nicholas Wood |
| 5:30 p.m. | Session close | |

Australian Vaccinology Course

DAY 2

Friday 29 August 2025

Australian Vaccinology Course program

Day 2 Friday 29 August 2025

How are uptake, effectiveness and safety of vaccine programs implemented and monitored?

| Time | Session | Facilitators |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 9:00 a.m. | Session open <ul style="list-style-type: none">Acknowledgement of CountryOpening remarks | Professor Nicholas Wood |
| 9:10 a.m. | Vaccine safety <i>Learning objectives</i> <ul style="list-style-type: none">Explain the principles of vaccine safety, including reporting of adverse events following immunisationApply the principles of public risk communication to a vaccine safety issue <i>Lecture (75 mins)</i> <ul style="list-style-type: none">Principles and illustrative examples of vaccine safetyPrinciples of causality assessment <i>Lecture (20 mins)</i> <ul style="list-style-type: none">Principles of vaccine risk communication <i>Panel discussion and Q&A (20 mins)</i> <ul style="list-style-type: none">Vaccine safety and public confidence | Professor Kristine Macartney Professor Michael Gold Professor Julie Leask Professor Allen Cheng |
| 11:05 a.m. | Morning tea | |
| 11:20 a.m. | Increasing vaccine uptake <i>Learning objectives</i> <ul style="list-style-type: none">Critique the main explanatory models and frameworks used to explain low vaccination coverageApply evidence on the strategies that increase uptake to a real-world scenario <i>Lecture (20 mins)</i> <ul style="list-style-type: none">Factors affecting people's ability or decision to vaccinateReal-world strategies to increase vaccination coverage <i>Q&A (5 mins)</i> <i>Activity (80 mins)</i> <ul style="list-style-type: none">Interactive hypothetical scenario | Professor Julie Leask Professor Nicholas Wood |
| 1:05 p.m. | Lunch | |

| Time | Session | Facilitators |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2:05 p.m. | Immunisation in a changing world – future challenges <i>Learning objective</i> <ul style="list-style-type: none">Analyse challenges and opportunities facing vaccination programs in Australia and the Asia-Pacific region <i>Lecture and panel discussion (40 mins)</i> <ul style="list-style-type: none">Challenges facing vaccination and public health in 2025 | Associate Professor Meru Sheel (Chair) Professor Julia Brotherton Professor Katie Flanagan Professor Nicholas Wood Ms Katrina Clark |
| 2:45 p.m. | Afternoon tea | |
| 3:00 p.m. | Immunisation in a changing world – future challenges (cont.) <i>Lecture (25 mins)</i> <ul style="list-style-type: none">Disease elimination/eradication – what does this mean in 2025? <i>Q&A (5 mins)</i> <i>Panel (35 mins)</i> <ul style="list-style-type: none">Disease eradication – real possibility or pipe dream? | Professor Peter McIntyre (Chair) Professor Katie Flanagan Associate Professor Meru Sheel Professor Allen Cheng Professor Kristine Macartney |
| 4:05 p.m. | Immunisation in a changing world – future opportunities <i>Presentation (25 mins)</i> <ul style="list-style-type: none">Local and global initiatives to increase vaccination coverage | Professor Kristine Macartney |
| 4:30 p.m. | <i>Panel (25 mins)</i> <ul style="list-style-type: none">Answering remaining participant questions from throughout the course | Professor Nicholas Wood (Chair) |
| 4:55 p.m. | Closing remarks | Professor Kristine Macartney |
| 5:00 p.m. | Session close | |
| To be followed by reception of drinks and canapés, 5:30–7:30 p.m. | | |

Australian Vaccinology Course

DAY 3

Saturday 30 August 2025

Australian Vaccinology Course program

Day 3 Saturday 30 August 2025 – essential immunisation provider update

Delivering vaccinations across the lifespan – from pregnancy and infancy to older age: learn about the latest on vaccine safety and effectiveness; talking to patients, parents and carers about vaccination; and more.

| Time | Session | Facilitators |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 8:30 a.m. | Registration opens | |
| 9:00 a.m. | Session open <ul style="list-style-type: none">Acknowledgement of CountryOpening remarks | Professor Kristine Macartney Professor Nicholas Wood Ms Katrina Clark |
| 9:10 a.m. | Key challenges <i>Learning objective:</i> <ul style="list-style-type: none">Describe vaccine characteristics, program recommendations and conversation approaches for key vaccines and populations in AustraliaApply health and medical communication concepts and motivational interviewing techniques when communicating with individuals about vaccination <i>Activity (10 mins)</i> <ul style="list-style-type: none">Challenges for delivering vaccinations across the lifespan | Professor Nicholas Wood |
| 9:20 a.m. | Vaccination in pregnancy <i>Lecture (40 mins)</i> <ul style="list-style-type: none">Immunology of vaccines in pregnancyProgrammatic considerationsEffectiveness and safety of vaccines in pregnancy <i>Q&A (10 mins)</i> <i>Case study (15 mins)</i> <ul style="list-style-type: none">Vaccination in pregnancy | Professor Helen Marshall Professor Michelle Giles |
| 10:25 a.m. | Morning tea | |

| Time | Session | Facilitators |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| 10:40 a.m. | Childhood vaccinations <i>Lecture and scenarios (40 mins)</i> <ul style="list-style-type: none"> Immunology of childhood vaccinations New, upcoming and unfunded vaccines Challenges in vaccination for childhood <i>Q&A (10 mins)</i> | Professor Kristine Macartney Professor Nicholas Wood |
| 11:30 a.m. | Adolescent vaccination <i>Lecture (40 mins)</i> <ul style="list-style-type: none"> Immunology of adolescent vaccinations Programmatic considerations Effectiveness and safety of adolescent vaccinations Emerging research in adolescent vaccinations Talking to parents and patients about adolescent vaccinations <i>Q&A (10 mins)</i> | Professor Julia Brotherton Professor Helen Marshall |
| 12:20 p.m. | Lunch | |
| 1:20 p.m. | Vaccination for older adults and patients with immunocompromise <i>Lecture and case studies (50 mins)</i> <ul style="list-style-type: none"> Immunosenescence and inflammaging Principles of approaching vaccination in adults Principles and resources to support vaccination in patients with immunocompromise Scenarios for vaccinating older adults and patients with immunocompromise <i>Q&A (10 mins)</i> | Professor Allen Cheng Professor Katie Flanagan |
| 2:20 p.m. | Afternoon tea | |

| Time | Session | Facilitators |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 2:35 p.m. | Talking about vaccination with patients, parents and carers <i>Lecture (15 mins)</i> <ul style="list-style-type: none"> Sharing Knowledge About Immunisation (SKAI) conversation techniques <i>Activity (20 mins)</i> <ul style="list-style-type: none"> Bingo: Example videos of patient- parent conversations <i>Activity (40 mins)</i> <ul style="list-style-type: none"> Role play: Using SKAI conversation techniques with patients, parents and carers | Professor Julie Leask |
| 3:50 p.m. | Closing remarks | Professor Kristine Macartney |
| 4:00 p.m. | Session close | |