

Friday, 28 February 2025

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ACDS Welcome Back Seminar

Please join us on the **5th March** for our **Welcome Back Seminar and Networking Morning Tea**, held in person at WEHI (Walter and Eliza Hall Institute/1G Royal Parade, Parkville VIC 3052) in the Davis Auditorium at 10am-12pm AEDT. Our speakers will be:

Speaker 1: **Prof. Seth Masters, Hudson** – ‘Screening gene variants that activate the inflammasome’

Speaker 2: **Dr Aysha Al-Ani, WEHI** – ‘Cell death in inflammatory bowel disease: bench to bedside’

Looking forward to seeing you all there!

Zoom link: <https://latrobe.zoom.us/j/85747490867>

& Networking Event

Brought to you by ACDS



Wednesday 5th March
10:00 am – 11:00 am AEDT
ACDS Seminar

Davis Auditorium, WEHI
& Virtual access on Zoom

<https://latrobe.zoom.us/j/85747490867>

11:00 am – 12:00pm AEDT
Morning Tea and Networking
Tapestry Lounge, WEHI



Prof. Seth Masters

10.00am – Welcome and Introduction

Dilara Ozkocak & Sarah Garnish,
ACDS Seminar Series Coordinators

10.05am – Invited speaker **Prof. Seth Masters**

Hudson Institute of Medical Research

Title: “Screening gene variants that activate the inflammasome”



Dr Aysha Al-Ani

10:35am – Invited speaker **Dr Aysha Al-Ani**

Walter and Eliza Hall Institute of Medical Research

Title: “Cell death in inflammatory bowel disease: bedside to bench”

11.00am – Morning Tea & Networking session

12.00pm – Event Close

The Australasian Cell Death Society is proudly supported by:



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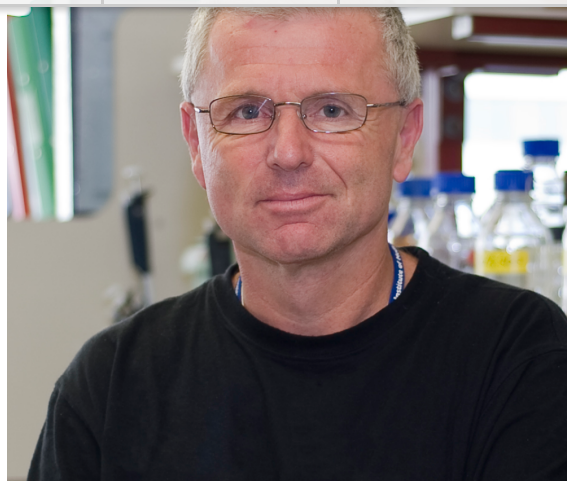


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**CONGRATULATIONS to the recipients of the
NHMRC Investigator Grant**



Heartiest congratulations to ACDS Pioneer **Prof. Andreas Strasser** (WEHI), ACDS Luminaries **Prof. Seth Masters** (Hudson), **Prof. Peter Czabotar** (WEHI) and ACDS Treasurer **Dr. Stefanie Bader** (WEHI) on being awarded the NHMRC Investigator Grant! You are an inspiration to the cell death research community.

Welcome to our New ACDS Luminaries

ACDS is honoured to welcome the esteemed **Prof. Si Ming Man** and **Prof. Ivan Poon** to our Luminaries team of 2025!

Prof. Si Ming Man



The focus of Prof. Man's lab is to identify the molecular and biochemical mechanisms of inflammation and cell death at the interface between innate immunity, infectious diseases, and cancer. Prof. Man is a Clarivate™ Highly Cited Researcher for producing multiple highly-cited papers in the last decade that rank in the top 1% by citations for field and year in the Web of Science™.

Prof. Ivan Poon



Prof. Poon's research has defined key aspects and discovered new biological processes in the molecular machinery that regulate cell death in health and disease, leading to the identification of novel drug targets. Work generated from Prof Poon's group has been recognised nationally and internationally, with his work being featured in 'News & Views' and 'Research Highlight' in journals including Nature, Nature Chemical Biology, Journal of General Physiology, Nature Reviews Molecular Cell Biology, Circulation Research, and featured in >50 mainstream media including The Age, The Australian, South China Morning Post and The Guardian.

Cold Spring Harbor Asia Cell Death and Innate Immunity 2025

The Cold Spring Harbor Asia conference on Cell Death and Innate Immunity will be held in Suzhou, China, located approximately 60 miles west of Shanghai. The conference will begin on the evening of Monday **May 12th**, and will conclude on Friday **May 16th, 2025**. Abstract deadline: **March 7th, 2025**. [Find out more](#)



The 14th European Workshop On Cell Death

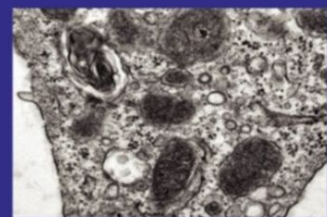
EWCD meetings are held bi-annually and have proved increasingly successful among the international cell death research community. Each one is held in a different European location, which is selected for its unique atmosphere. The EWCD is a broad spectrum scientific conference focussing on all aspects of cell death and lasts for four days in the spring/summer of every second year. This year's meeting will be held at Fiuggi, Italy from **May 11th to May 16th, 2025**. Abstract deadline: **February 1st, 2025**. [Find out more](#)

EWCD

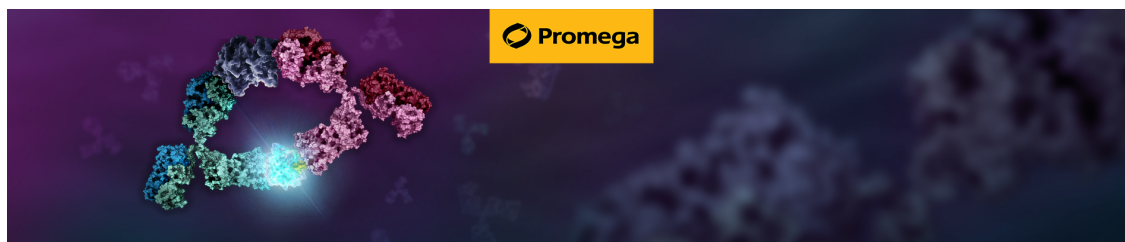


May 11-16, 2025 in Fiuggi, Italy

Basics of cell death mechanisms & disease



A Word from Our Sponsor - Promega



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with an “Add-Mix-Measure” Assay

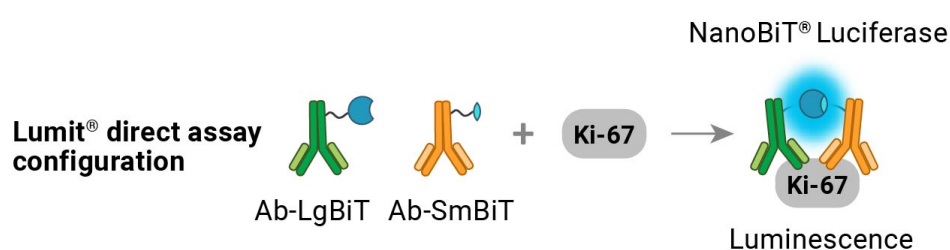
Cell proliferation is a fundamental parameter of cell-based research. Researchers currently monitor cell proliferation with methods that can be affected by changes in metabolism, require cumbersome wash steps or use indirect markers of proliferation, radioactive material and specialised equipment.

The **Lumit® hKi-67 Immunoassay for Cell Proliferation by Promega** is an easy add-mix-measure plate-based assay for tracking Ki-67, a well-known marker of cell proliferation, without washing steps or specialised detection equipment. A reader capable of detecting luminescence is the only instrument required.

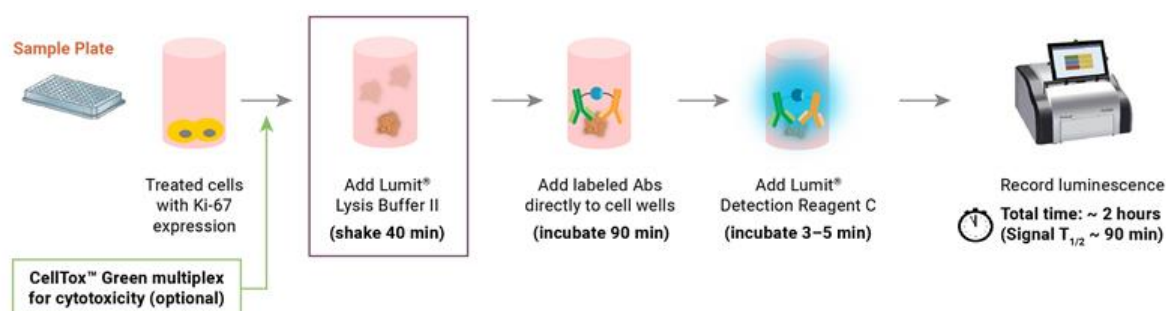
With this new assay, researchers can generate more data with higher confidence and reduce prep work and time to result.

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How the Lumit® hKi-67 Immunoassay Works



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ACDS Member Publications

Published a cell death paper recently? Let us know and we'll list it here

Yip RKH, Hawkins ED, Bowden R, Rogers KL. **Towards deciphering the bone marrow microenvironment with spatial multi-omics.** *Semin Cell Dev Biol.* 2025 Mar;167:10-21. doi: 10.1016/j.semcdb.2025.01.001. Epub 2025 Jan 30. PMID: 39889539.

Pourmal S, Truong ME, Johnson MC, Yang Y, Zhou L, Alegre K, Stowe IB, Gupta S, Chen PA, Zhang Y, Rohou A, Newton K, Kayagaki N, Dixit VM, Deshpande I. **Autoinhibition of dimeric NINJ1 prevents plasma membrane rupture.** *Nature.* 2025 Jan;637(8045):446-452. doi: 10.1038/s41586-024-08273-4. Epub 2024 Oct 30. PMID: 39476863; PMCID: PMC11711097.

Tye H, Conos SA, Djajawi TM, Gottschalk TA, Abdoukader N, Kong IY, Kammoun HL, Narayana VK, Kratina T, Speir M, Emery J, Simpson DS, Hall C, Vince AJ, Russo S, Crawley R, Rashidi M, Hildebrand JM, Murphy JM, Whitehead L, De Souza DP, Masters SL, Samson AL, Lalaoui N, Hawkins ED, Murphy AJ, Vince JE, Lawlor KE. **Divergent roles of RIPK3 and MLKL in high-fat diet-induced obesity and MAFLD in mice.** *Life Sci Alliance.* 2024 Nov 12;8(1):e202302446. doi: 10.26508/lsa.202302446. PMID: 39532538; PMCID: PMC11557689.

Saller BS, Wöhrle S, Fischer L, Dufosse C, Ingerl IL, Kessler S, Mateo-Tortola M, Gorka O, Lange F, Cheng Y, Neuwirt E, Marada A, Koentges C, Urban C, Aktories P, Reuther P, Giese S, Kirschnek S, Mayer C, Pilic J, Falquez-Medina H, Oelgeklaus A, Deepagan VG, Shojaaee F, Zimmermann JA, Weber D, Tai YH, Crois A, Ciminski K, Peyronnet R, Brandenburg KS, Wu G, Baumeister R, Heimbucher T, Rizzi M, Riedel D, Helmstädter M, Buescher J, Neumann K, Misgeld T, Kerschensteiner M, Walentek P, Kreutz C, Maurer U, Rambold AS, Vince JE, Edlich F, Malli R, Häcker G, Kierdorf K, Meisinger C, Kötting A, Jakobs S, Weber ANR, Schwemmle M, Groß CJ, Groß O. **Acute suppression of mitochondrial ATP production prevents apoptosis and provides an essential signal for NLRP3 inflammasome activation.** *Immunity.* 2025 Jan 14;58(1):90-107.e11. doi: 10.1016/j.immuni.2024.10.012. Epub 2024 Nov 20. PMID: 39571574.

Holley CL, Monteleone M, Fisch D, Libert AES, Ju RJ, Choi JH, Condon ND, Emming S, Crawford J, Lawrence GMEP, Coombs JR, Lefevre JG, Bajracharya R, Lahoud MH, Yap AS, Hamilton N, Stehbins SJ, Kagan JC, Ariotti N, Burgener SS, Schroder K. **Pyroptotic cell corpses are crowned with F-actin-rich filopodia that engage CLEC9A signaling in incoming dendritic cells.** *Nat Immunol.* 2025 Jan;26(1):42-52. doi: 10.1038/s41590-024-02024-3. Epub 2024 Dec 4. PMID: 39633178; PMCID: PMC11695261.

Richter J, Cork AJ, Ong Y, Keller N, Hayes AJ, Schembri MA, Jennison AV, Davies MR, Schroder K, Walker MJ, Brouwer S. **Characterization of a novel covS SNP identified in Australian group**

Hoblos H, Cawthorne W, Samson AL, Murphy JM. **Protein shapeshifting in necroptotic cell death signaling.** Trends Biochem Sci. 2025 Feb;50(2):92-105. doi: 10.1016/j.tibs.2024.11.006. Epub 2024 Dec 26. PMID: 39730228.

Vora S, Chatterjee S, Andrew A, Kumar RP, Proctor M, Zeng Z, Bhatt R, Nazareth D, Fernando M, Jones MJK, He Y, Hooper JD, McMillan NAJ, Urosevic J, Saeh J, Travers J, Cimini D, Chen J, Gabrielli B. **Aurora B inhibition induces hyper-polyploidy and loss of long-term proliferative potential in RB and p53 defective cells.** Cell Death Dis. 2025 Jan 8;16(1):7. doi: 10.1038/s41419-024-07329-7. PMID: 39779678; PMCID: PMC11711630.

Szmyd R, Casolin S, French L, Manjón AG, Walter M, Cavalli L, Nelson CB, Page SG, Dhawan A, Hau E, Pickett HA, Gee HE, Cesare AJ. **Homologous recombination promotes non-immunogenic mitotic cell death upon DNA damage.** Nat Cell Biol. 2025 Jan;27(1):59-72. doi: 10.1038/s41556-024-01557-x. Epub 2025 Jan 13. PMID: 39805921; PMCID: PMC11735404.

Awad W, Mayall JR, Xu W, Johansen MD, Patton T, Lim XY, Galvao I, Howson LJ, Brown AC, Haw TJ, Donovan C, Das S, Albers GJ, Pai TY, Hortle E, Gillis CM, Hansbro NG, Horvat JC, Liu L, Mak JYW, McCluskey J, Fairlie DP, Corbett AJ, Hansbro PM, Rossjohn J. **Cigarette smoke components modulate the MR1-MAIT axis.** J Exp Med. 2025 Feb 3;222(2):e20240896. doi: 10.1084/jem.20240896. Epub 2025 Jan 17. PMID: 39820322; PMCID: PMC11740918.

Chan FHM, Yeap HW, Liu Z, Rosli SN, Low KE, Bonne I, Wu Y, Chong SZ, Chen KW. **Plasticity of cell death pathways ensures GSDMD activation during *Yersinia pseudotuberculosis* infection.** Cell Rep. 2025 Jan 28;44(1):115216. doi: 10.1016/j.celrep.2024.115216. Epub 2025 Jan 16. PMID: 39823227.

The Merck logo is displayed in a bold, blue, sans-serif font.The logo for apop BIOSCIENCES features the word "apop" in a red, lowercase, sans-serif font, followed by a stylized graphic of a three-lobed molecule with a red sphere at the top and a grey sphere at the bottom. Below the graphic, the word "BIOSCIENCES" is written in a smaller, grey, uppercase, sans-serif font.The logo for the La Trobe Institute for Molecular Science features a colorful, multi-pointed star-like graphic on the left, composed of various colored triangles. To the right of the graphic, the text "LA TROBE INSTITUTE FOR MOLECULAR SCIENCE" is written in a bold, black, uppercase, sans-serif font.The WEHI logo features a stylized, multi-colored geometric shape on the left, resembling a folded piece of paper or a molecular structure. To the right of the shape, the text "WEHI" is written in a large, bold, black, uppercase, sans-serif font, and below it, the tagline "brighter together" is written in a smaller, black, lowercase, sans-serif font.

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