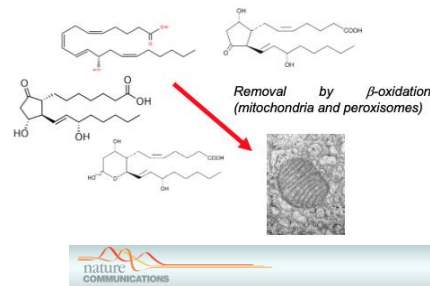
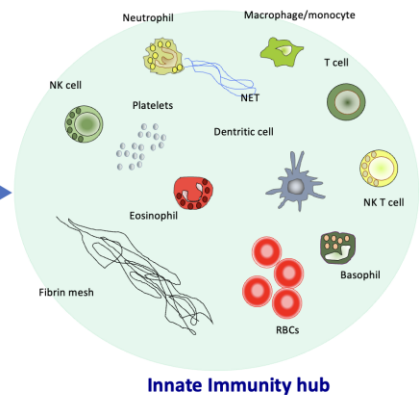


Discovery and characterization of bioactive lipids

Valerie O'Donnell, Cardiff University

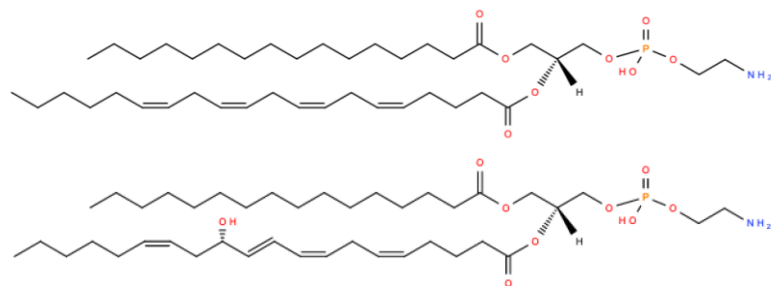
Trauma/Injury
Infection
Autoimmunity/inflammatory
disorders
Cardiovascular/stroke
Dementia
Cancer



ARTICLE
<https://doi.org/10.1016/j.xcrp.2023.101484> OPEN

Oxylipin metabolism is controlled by mitochondrial β -oxidation during bacterial inflammation

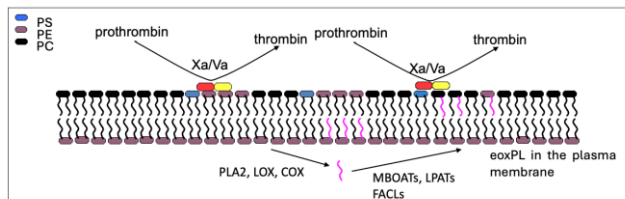
Mariya Mishewa¹, Konstantinos Kotzamanis^{1,2}, Luke C. Davies^{1,2}, Victoria J. Tyrrell¹, Patricia R. S. Rodrigues¹, Gloria A. Benavides², Christine Hinz², Robert C. Murphy³, Paul Kennedy⁴, Philip R. Taylor^{1,2}, Marcela Raza⁵, Simon A. Jones⁶, James E. McLaren¹, Sumah Deshpande¹, Robert Andrews¹, Nils Heide Schmitt⁴, Magdalena A. Cruzat¹, Mark Gurney³, Michael Aldrovandi¹, Sven W. Meckelmann¹, Peter Ghazal¹, Victor Darley-Usmar², Daniel A. White^{1,2,3} & Valerie B. O'Donnell^{1,2,3}



JLR JOURNAL OF LIPID RESEARCH
Volume 65, Issue 1, January 2024, 100484

Research Article
Phosphatidylthreonine is a procoagulant lipid detected in human blood and elevated in coronary artery disease

Ali A. Hajjeh^{1,2}, Majd B. Protty¹, Divyani Paul³, Daniela Costa¹, Nader Omidvar¹, Bethan Morgan¹, Yugo Iwasaki⁴, Beth McGill¹, P. Vincent Jenkins⁵, Zaheer Yousef³, Keith Allen-Redpath⁶, Shin Soyama⁴, Anirban Choudhury², Rito Mitra⁵, Parveen Yaqoob⁶, James H. Morrissey³, Peter W. Collins^{1,5}, Valerie B. O'Donnell^{1,2,3}

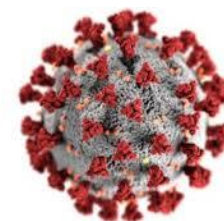


RESEARCH ARTICLE | BIOLOGICAL SCIENCES | 

Phospholipid membranes drive abdominal aortic aneurysm development through stimulating coagulation factor activity

Keith Allen-Redpath, Macleider Aldrovandi, Sarah N. Lauder, , and Valerie B. O'Donnell  Authors info & Affiliations

PNAS



Precursor scanning

Discovery

Identification

Analytical approaches developed


Characterisation of biological role



Triple quadrupole instrument



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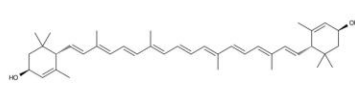
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Lipid of the Month

May, 2025








Tunaxanthin A


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Infection.....virology, AMR

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CARA Fellows Scheme

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Cara (the Council for At-Risk Academics) is a rescue mission for academics around the world who need urgent help to escape from discrimination, persecution, violence or conflict.

Cara also supports academics who choose to work on in their home countries despite serious dangers, and higher education institutions whose work is threatened or compromised.



A lifeline to academics at risk

Among the displaced are many university academics; among the buildings, many universities and research institutes. We have received, and continue to receive, generous offers of support from our UK university partners for their Ukrainian colleagues. While most men in Ukraine between the ages of 18 and 60 are expected to stay to support their country's defence, and many women are also choosing to stay, others – particularly women with young children – have needed help to escape to a place where they can be safe. So far (February 2025) we have helped over 45 Ukrainian academics to begin placements at UK universities as Cara Fellows, with more on the way. We have also been participating fully in the British Academy-led [‘Researchers at Risk’ Programme](#), which provided awards at UK institutions for 180 researchers who were previously based in Ukraine; the awards were initially for two years but funding for a third year was later secured. 175 of the original 180 Fellows are now either in, or will soon be beginning, their third year.

Ukrainian academics who are already in the UK may also wish to look through our [Funding Directory for Ukrainian researchers](#).

We also recognise the bravery of the Russian academics who, in the early stages of the conflict, signed online open letters criticising the war, or who have since voiced their opposition in other ways or are at risk because of their past engagement with civil society groups which are now banned in Putin's increasingly isolated Russia. Over 18 Russian academics have secured placements at institutions in the UK, with Cara's help. Others who need to escape are also welcome to seek our [support](#).

What's happening at Cara



NEWS

A message from Cara's Chair - a welcome to our new Chief Executive!



NEWS

'Nature Careers' article - hosting academics at risk



NEWS

New partnership with the Royal Society of Chemistry



NEWS

Cara Fellowship Programme Video

