

# CURRICULUM VITAE

## Carol Vivien Robinson DBE FRS FMedSci

### Personal and Contact Details

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**Date of Birth** 10<sup>th</sup> April 1956  
**Maiden Name** Bradley  
**Nationality** British

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### Education and Academic Appointments

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**2009** Professorial Fellow, Exeter College, Oxford

**2009** Dr Lee's Professor of Physical and Theoretical Chemistry, University of Oxford

**2006 - 2016** Royal Society Research Professorship

**2003 - 2009** Senior Research Fellow, Churchill College, University of Cambridge

**2001 - 2009** Professor of Mass Spectrometry, Dept. of Chemistry, University of Cambridge

**1999 - 2001** Titular Professor, University of Oxford

**1998 - 2001** Research Fellow, Wolfson College, Oxford

**1995 - 2001** Royal Society University Research Fellow, University of Oxford

**1991 - 1995** Postdoctoral Research Fellow, University of Oxford. Supervisor: Prof. C. M. Dobson FRS

**1991 - 1991** Postgraduate Diploma in Information Technology, University of Keele

**1983 - 1991** Career break: birth of three children

**1982 - 1983** MRC Training Fellowship, University of Bristol Medical School

**1980 - 1982** Doctor of Philosophy, University of Cambridge. Supervisor: Prof. D. H. Williams FRS

**1979 - 1980** Master of Science, University of Wales. Supervisor: Prof. J. H. Beynon FRS

**1976 - 1979** Graduate of the Royal Society of Chemistry, Medway College of Technology, Kent

**1972 - 1976** ONC and HNC in Chemistry, Canterbury College of Technology, Kent

## Accolades and Distinctions

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<b>2018</b>	President of the Royal Society of Chemistry
<b>2017</b>	Foreign Associate of the US National Academy of Sciences
<b>2017</b>	President Elect of the Royal Society of Chemistry
<b>2013</b>	Dame Commander of the Order of the British Empire
<b>2009</b>	Fellow of the Academy of Medical Sciences
<b>2004</b>	Fellow of the Royal Society

## Medals, Awards, Prizes

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<b>2019</b>	Stein & Moore Award from The Protein Society
<b>2019</b>	Novozymes Prize from the Novo Nordisk Foundation
<b>2018</b>	American Chemical Society, Field and Franklin Award
<b>2017</b>	Hans Krebs Medal, FEBS Jerusalem, Israel
<b>2016</b>	Astra Zeneca Award from the Biochemical Society
<b>2016</b>	Torbern Bergmann Award from the Swedish Chemical Society
<b>2015</b>	Havinga Medal from the Havinga Foundation
<b>2015</b>	L'Oreal-UNESCO for Women in Science Award
<b>2014</b>	Kaj Linderstrøm-Lang Prize from the Carlsberg Research Center
<b>2014</b>	Thomson Medal Award from the International Mass Spectrometry Foundation
<b>2013</b>	American Biophysical Society Anatrace Award for Membrane Proteins
<b>2012</b>	HUPO Award for Distinguished Achievement in Proteomic Sciences
<b>2011</b>	Royal Society of Chemistry Interdisciplinary Prize
<b>2011</b>	FEBS/EMBO Woman of the Year Award
<b>2011</b>	Aston Medal from the British Mass Spectrometry Society
<b>2010</b>	Davy Medal from the Royal Society
<b>2010</b>	Prelog Medal from ETH, Zurich
<b>2008</b>	Anfinsen Award from the Protein Society
<b>2004</b>	Rosalind Franklin Award from the Royal Society
<b>2003</b>	Biemann Medal from the American Society for Mass Spectrometry
<b>2002</b>	Silver Medal from the Royal Society of Chemistry for Mass Spectrometry

## Honorary Titles

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<b>2018</b>	Honorary Degree from Ben-Gurion University
<b>2017</b>	Honorary Degree from the University of Southern Denmark
<b>2017</b>	Honorary Degree from The Open University
<b>2017</b>	Honorary Doctorate from the University of Huddersfield
<b>2016</b>	Honorary Fellowship Wolfson College Oxford
<b>2016</b>	Honorary Fellowship of the Royal Society of Chemistry
<b>2016</b>	Honorary Doctorate from the University of Liverpool
<b>2014</b>	Honorary Professorship from the Nanjing University of Science and Technology
<b>2013</b>	Honorary Member of the British Biophysical Society
<b>2013</b>	Honorary Doctorate from the University of Bristol
<b>2012</b>	Honorary Fellow, Churchill College, Cambridge
<b>2010</b>	Honorary Doctorate from the University of York
<b>2009</b>	Honorary Doctorate from the University of Kent

## Named Lectures

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<b>2019</b>	Annual Biophysical Society Lecturer, Baltimore, USA
<b>2018</b>	Joe L Franklin Memorial Lecture, RICE, Houston, USA
<b>2018</b>	Webster Lecture, Case Western Reserve University, Cleveland, USA
<b>2018</b>	Dame Anne McLaren Lecture, University College London, UK
<b>2018</b>	Lee Seng Tee Distinguished Lecture, University of Cambridge, UK
<b>2018</b>	The Cynthia Ann Chan Lecture, University of California, Berkeley, USA
<b>2018</b>	The Mabel Fitzgerald Lecture, University of Oxford, UK
<b>2018</b>	The Inaugural Annual David James Lecture, University of Cambridge, UK
<b>2017</b>	The Peter Garland Lecture, Dundee, Scotland
<b>2017</b>	The Fritz Lipmann Lecture, Bochum, Gemany
<b>2017</b>	Hans Krebs Lecture, Jerusalem, Israel
<b>2017</b>	Baddiley Lecture, Newcastle University, UK
<b>2017</b>	Georgina Sweet Lecture, Melbourne, Australia
<b>2017</b>	Frederick Soddy Lecture, Merton College, Oxford, UK
<b>2016</b>	The Astra Zeneca Medal Award Lecture, Biochemistry Society, London, UK
<b>2016</b>	The Harry G. Day Lecture, University of Indiana, USA
<b>2016</b>	The Torbern Bergman Award Lecture, Umea, Sweden
<b>2016</b>	The Chemistry Anniversary Lecture, University of York, UK
<b>2016</b>	The Royal Institution Discourse, London, UK
<b>2015</b>	The Amgen Lecture, Shanghai, China
<b>2015</b>	The Havinga Medal Lecture, Leiden, The Netherlands
<b>2015</b>	The Irving O Shoichet Lecture, Toronto, Canada
<b>2015</b>	The 2015 Rodney Porter Lecture, Oxford, UK
<b>2015</b>	The Hobart H. Willard Memorial Lecture, University of Michigan, USA
<b>2014</b>	The Kaj Linderstrøm-Lang Award Lecture, Copenhagen, Denmark
<b>2014</b>	The Daniell Lecture, Kings College London, UK
<b>2014</b>	The Evans Award Lecture, The Ohio State University, USA
<b>2014</b>	The Cornforth Lecture, University of Sussex, UK
<b>2014</b>	The Thomson Medal Award Lecture, Geneva, Switzerland
<b>2014</b>	The Birch Lecture, The Australian National University, Canberra, Australia
<b>2014</b>	The Ruth and Eddie Hughes Lecture, California Institute of Technology, USA
<b>2014</b>	The Dorothy Hodgkin Memorial Lecture, Oxford, UK
<b>2014</b>	The Burger Lecture, University of Virginia, USA
<b>2013</b>	The Charles E. Dohme Memorial Lecture 2013, Baltimore, USA

**2013** The Krebs Lecture, University of Sheffield, UK  
**2013** The Anatrace Protein Award Lecture, Philadelphia, USA  
**2013** The Medawar Lecture, MRC, Mill Hill, UK  
**2013** The Clapp Lectures, Brown University, Rhode Island, USA  
**2012** The Randall Lecture, Kings College, London, UK  
**2012** The Dewar Lecture, Queen Mary University, London, UK  
**2012** The DeLuca lecture, University of California San Diego, USA  
**2012** The Carlson Lecture, John Hopkins University, Baltimore, USA  
**2012** EMBL Distinguished Scientist Lecture, Heidelberg, Germany  
**2012** Alex Hopkins Memorial Lecture, Cambridge, UK  
**2011** Van't Hoff Award Lecture, Royal Academy of Dutch Scientists, The Netherlands  
**2011** Sarkar Lecture, Hospital for Sick Children, Toronto, Canada  
**2010** Maud Menten Lecture, University of Western Ontario, Canada  
**2010** Maurice Wilkins Lecture, University of Auckland, New Zealand  
**2010** MacColl Lecture, British Mass Spectrometry Society, Cardiff, UK  
**2009** John Kendrew Lecture, Weizmann Institute, Rehovet, Israel  
**2008** Radcliffe Science Lecture, Harvard University, Boston, USA  
**2008** Dow Lecture, University of Vancouver, Canada  
**2007** Schorstein Lecture, William Harvey Day, St Bartholemew's Hospital, London, UK  
**2006** Wilson Baker Lecture, University of Bristol, UK  
**2005** Harry Emmett Gunning Lecture, University of Alberta, Canada  
**2005** Marker Lecture, University of Maryland, USA  
**2005** Buck Rogers Lecture, University of Georgia, USA  
**2004** Meloche Lecture, University of Wisconsin at Madison, USA

## Current Professional Activities

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- 2018** Member, International Advisory Board, *Angewandte Chemie*
- 2016** Member of the Selection Committee for the Infosys Prize
- 2016** Member of the Selection Committee for the Dr Paul Janssen Award
- 2016** Member, Board of Directors, The Bert L & N Kuggie Vallee Foundation
- 2015** Scientific Advisory Board Member, Dept. of Biochemistry, University of Oxford
- 2015** Editorial Board Member, *Structure*
- 2015** Advisory Board Member, The Royal National Children's SpringBoard Foundation, London
- 2012** Editorial Board Member, *Current Opinion in Structural Biology*

## Previous Professional Activities

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- 2016 - 2018** Member, Council of the Royal Society
- 2015 - 2018** Member, Board of Trustees, Rhodes House, Oxford
- 2015 - 2018** Chair of the L'Oreal Women in Science Programme
- 2015 - 2017** Member, Board of Trustees, Heinrich Wieland Prize, Boehringer Ingelheim Foundation
- 2014 - 2017** Chair, The Royal Society, Rosalind Franklin Award Committee
- 2014 - 2017** Member, The Royal Society, Dorothy Hodgkin Fellowship Selection Committee
- 2011 - 2014** Member, The Royal Society, Awards Nominations Committee
- 2012 - 2013** Panel Member, ERC Synergy Grant Selection and Evaluation Panel
- 2012 - 2013** Associate Head, Mathematical, Physical and Life Sciences Division, University of Oxford
- 2012 - 2013** Member, Government Blackett Review Panel for Biosecurity
- 2000 - 2013** Associate Editor, *Journal of the American Society for Mass Spectrometry*
- 2008 - 2009** Council Member, The Royal Society
- 2005 - 2007** Member, The Royal Society, Physical Sciences Awards Committee  
Member, The Royal Society, Dorothy Hodgkin Fellowship Selection Panel  
Member, The Royal Society, Rosalind Franklin Award Committee  
Member, The Royal Society, Medals and Awards Selection Panel
- 2007 - 2009** Assistant Head, Department of Chemistry, University of Cambridge
- 2003 - 2009** Member, Faculty Board of The Physical Sciences, University of Cambridge
- 2002 - 2014** Member, Editorial Board, *Journal of Molecular and Cellular Proteomics*
- 1998 - 2007** Associate Editor, *Protein Science*
- 1998 - 2002** Committee Member, BBSRC Biomolecular Sciences Panel

## Current Grants

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<b>2016 - 2021</b>	<b>Medical Research Council</b> Applications of mass spectrometry to membrane protein drug development	<b>£ 1,363,647</b>
<b>2016 - 2021</b>	<b>European Research Council</b> Advanced Investigator Award	<b>€ 2,481,741</b>
<b>2014 - 2020</b>	<b>Wellcome Trust</b> Senior Investigator Award	<b>£ 2,262,504</b>
<b>2014 - 2019</b>	<b>Wellcome Trust</b> Multi-user equipment grant (PI)	<b>£ 559,973</b>

## Patents

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### **Drug Binding to Membrane Pumps:**

***Detection of membrane protein-therapeutic agent complexes by mass spectrometry.***

European Patent GB-201110272-DO (Granted)

***Detection of membrane protein-therapeutic agent complexes by mass spectrometry.***

US Patent Application US9536718B2 (Granted).

### **Mass Spectrometry Mediated Drug Discovery:**

***Detection of membrane proteins.***

European Patent Application 13821708 (Published – Under Examination).

***Detection of membrane proteins.***

US Patent Application 14/653,475 (Published – Under Examination).

### **Improved DESI MS for High-Throughput Screening of Drug Candidates (Membrane Proteins):**

***Detection of membrane proteins.***

PCT Application PCT/GB2017/050539 (Published – Filed).

### **GPCR Detergent:**

***Detection of membrane proteins.***

UK Application 1703033 (Unpublished – Filed).

## **Contributions to UK industry**

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In 1998 I proposed a mass spectrometry design to Micromass UK Ltd to enable the transmission and analysis of macromolecular complexes through a mass spectrometer. This has contributed to a worldwide increase in sales of Q-tof and Synapt mass spectrometers, many of them including the proposed modifications. In 2016 I founded and became Chief Scientific Consultant to OMass Technologies Ltd. The company formed partnership agreements with pharmaceutical and biotechnology companies to tackle challenging targets using cutting edge mass spectrometry approaches. In 2018 the company received Series A funding (£14 M) from Syncona and took a new direction exploiting its platform technology for membrane protein drug targets and has been re-launched as OMass Therapeutics Ltd.

## **Teaching and mentorship**

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I have supervised more than 35 PhD graduates (25 women) and more than 50 post-doctoral fellows (26 women). I take an active role in mentoring younger women through the tenure process and encouraging them to stay in science. My research group includes many scientists with children, many of whom have gone on to achieve high profile academic jobs elsewhere.



## Public Awareness in Science – selected media interviews

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### 2018

- L'Oreal filming with Miranda Cresswell, 26<sup>th</sup> February 2018: *'The Making of a Scientist'*.
- Interview with Kim Hill on [RNZ National's Saturday Morning](https://www.radionz.co.nz/national/programmes/saturday/audio/2018635535/dame-carol-robinson-elemental-medicine), 8<sup>th</sup> March 2018: <https://www.radionz.co.nz/national/programmes/saturday/audio/2018635535/dame-carol-robinson-elemental-medicine>
- Auckland Museum, 20<sup>th</sup> March 2018: *'What's really inside your medicine cabinet?'*

### 2017

- BBC News, 11<sup>th</sup> January 2017: *'Oxford professor meets child superfan'* <http://www.bbc.co.uk/news/uk-england-oxfordshire-38580944>

### 2015

- [The Independent on Sunday, 8<sup>th</sup> March 2015](#): *Scientist who has detected a missing element.*
- The Times Higher Education, 19<sup>th</sup> March 2015: *Q & A with Dame Carol Robinson* <https://www.timeshighereducation.co.uk/news/people/qa-with-dame-carol-robinson/2019106.article>
- International Business Times, 25<sup>th</sup> March 2015: *Professor Dame Carol Robinson: Award-winning scientist who broke the glass ceiling at Oxbridge.* <http://www.ibtimes.co.uk/professor-dame-carol-robinson-award-winning-scientist-who-broke-glass-ceiling-oxbridge-1493546>
- BBC Radio 4 Woman's Hour, 23<sup>rd</sup> April 2015: Interview with Jenny Murray.
- The Huffington Post, 12<sup>th</sup> May 2015: *Science should NOT be perceived as a man's world.* [http://www.huffingtonpost.co.uk/dame-carol-robinson/women-in-science\\_b\\_7263246.html](http://www.huffingtonpost.co.uk/dame-carol-robinson/women-in-science_b_7263246.html)

### 2014

- Science Careers, 11<sup>th</sup> February 2014: Comment on 'More action needed to retain women in Science' [http://sciencecareers.sciencemag.org/career\\_magazine/previous\\_issues/articles/2014\\_02\\_11/caredit.a1400036](http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2014_02_11/caredit.a1400036)
- BBC Radio 4, The Life Scientific, 22<sup>nd</sup> July 2014: Interview with Jim Al-Khalili <http://www.bbc.co.uk/programmes/b049yhcn>
- MRC Network Magazine, September 2014: Interview for 'Working Lives' <http://www.mrc.ac.uk/news-events/publications/network-autumn-2014/>
- Financial Times, 12<sup>th</sup> December 2014: *A chemist in her element* – interview for FT 'House and Home' <http://www.ft.com/cms/s/0/fdc185f6-7bb2-11e4-a695-00144feabdc0.html>

### 2013

- The Telegraph, 27<sup>th</sup> July 2013: *'Women in the workplace'*

## Selected Women in Science Events

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- 2019** Empowering Women in Chemistry, RSC Global breakfast event
- 2018** Launch of the RSC 'Breaking the Barriers' report
- 2013** Annual Lecture at the University of Sheffield's Women's Network
- 2013** Women's Career and Networks Symposium, Opening Keynote Lecture, Goettingen, Germany
- 2012** Women in Science, Engineering and Technology Initiative Annual (WiSETI) Lecture, Cambridge
- 2012** [Interview](#) to mark 40<sup>th</sup> anniversary of admission of women, Churchill College, Cambridge
- 2011** Media interviews:
- Science, 11th March 2011: *Re-entering academia – A success story*
  - [People and Science](#), June 2011: *Are women changing science?*
  - [Nature](#), 17th August 2011: *Women in Science: In pursuit of female chemists*
  - [EMBO Encounters](#), Summer 2011: FEBS/EMBO Woman in Science Award interview
- 2010** Media interview:
- The Sunday Telegraph Stella Magazine, 30<sup>th</sup> May 2010: The working woman's dilemma
- 2008** Talk, Houses of Parliament: Experiences of a woman scientist
- 2004** Rosalind Franklin Public Lecture, The Royal Society
- 2004** Media interviews:
- The Times Higher Education, 14th May 2004: Mother wins top prize for science
  - The Guardian, 22nd June 2004: Carol Robinson: Society doyenne
  - BBC Radio 4 Woman's Hour, 28th June 2004: Professor Carol Robinson on becoming a Royal Society Fellow  
[http://www.bbc.co.uk/radio4/womanshour/2004\\_26\\_mon\\_03.shtml](http://www.bbc.co.uk/radio4/womanshour/2004_26_mon_03.shtml)
  - BB2 Working Lunch: Interview on returning after a career break
- 2003 - 2004** Lectures to sixth form:
- Kesteven & Grantham Girl's School, Lincolnshire
  - St. Paul's Girl's School, London
  - Hill's Road Sixth Form College, Cambridge
- 2003 - 2009** Promotion of science in local primary schools to 11-12 year olds

## Invited Lectures over past five years

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### **2019**

- January** Plenary Lecture, ASMS Sanibel Conference, Sanibel, USA  
The Australian and New Zealand Society for Mass Spectrometry, Auckland New Zealand
- February** 1<sup>st</sup> European Top Down Proteomics Workshop, Paris, France
- March** Annual Biophysical Society Lecturer, Baltimore,  
Native Mass Spectrometry Conference, Oxford, UK
- May** Cold Spring Harbour Asia, Shanghai, China

## Invited Lectures over past five years

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### **2018**

- February** The Inaugural Annual David James Lecture, University of Cambridge, UK  
The Mabel Fitzgerald Lecture, University of Oxford, UK  
EMBL Wellcome Proteomics Conference, Cambridge, UK  
Opening Lecture, Pharma Network, Italian Mass Spectrometry Society, Rome, Italy
- March** University of Canterbury, New Zealand  
University of Auckland, New Zealand
- April** Astbury Conversation, University of Leeds, UK  
Canadian Institute for Advanced Research, Toronto, Canada  
The Cynthia Chan Lecture, University of California, Berkeley, USA  
Columbia University, New York City, USA
- May** Ben Gurion University, Israel  
Lee Seng Tee Distinguished Lecture, University of Cambridge, UK
- June** 66<sup>th</sup> ASMS Conference, San Diego, USA  
Scripps Research Institute, California, USA  
Dame Anne McLaren Lecture, University College London, UK
- July** Genentech, San Francisco, USA  
Webster Lecture, Case Western Reserve University, Cleveland, USA  
National Institutes of Health, Maryland, USA
- August** 7<sup>th</sup> EUChemMS Chemistry Conference, Liverpool, UK  
22<sup>nd</sup> International Mass Spectrometry Conference, Florence, Italy
- September** Cambridge Institute for Medical Research (CIMR) 20th Anniversary Symposium, Cambridge, UK
- October** Opening Lecture, HUPO World Congress 2018, Orlando, USA  
Joe L Franklin Memorial Lecture, RICE, Houston, USA  
TAMU, Texas, USA  
Louis-Jeantet Symposium, Geneva, Switzerland  
2018 World Life Science Conference, Beijing, China

## Invited Lectures over past five years

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### **2017**

<b>February</b>	22 <sup>nd</sup> Lorne Proteomics Symposium, Melbourne, Australia 42 <sup>nd</sup> Lorne Conference on Protein Structure & Function, Melbourne, Australia Frederick Soddy Lecture, Merton College, Oxford, UK
<b>March</b>	Laboratory Molecular Biology Seminar, Cambridge, UK Opening of CRICK Symposium, London, UK
<b>April</b>	ACS Meeting, Bernard Breslow Symposium, San Francisco, USA ACS Meeting, Field and Franklin Symposium, San Francisco, USA Amgen, Thousand Oaks, California, USA University of California San Francisco (UCSF), San Francisco, USA Exeter College, Oxford, UK St George's College, Surrey, UK
<b>May</b>	Royal Society of Chemistry, London, UK EMBO/FEBS Women in Science, Sicily, Italy University of Warwick, Coventry, UK
<b>June</b>	Purdue University, Indiana, USA
<b>July</b>	Baddiley Lecture, Newcastle University, UK Comenius Children's University, Bratislava, Slovakia The Protein Society, 31 <sup>st</sup> Annual Symposium, Montreal, Canada
<b>August</b>	Norwich Cambridge Student Symposium (NoCaSS), Norwich, UK
<b>September</b>	JMB Symposium in honour of Sir John Kendrew, University of Cambridge, UK Protein Folding, Evolution and Interactions Symposium, Cambridge, UK FEBS 2017, Jerusalem, Israel Knut and Alice Wallenberg Jubilee Symposium, Stockholm, Sweden GBM Fall Conference, Fritz Lipmann Lecture, Bochum, Germany Proteins and Organised Complexity Summer School, Spetsai, Greece
<b>October</b>	Membrane Protein Workshop, Academia Sinica, Taiwan LGC 175 <sup>th</sup> Science Conference Celebrations, London, UK
<b>November</b>	iHuman Forum, Shanghai Tech University, Shanghai Distinguished Masters Lecture, RSC, Shanghai
<b>December</b>	SMR/BMCS Meeting, Royal Marsden Conference Centre, London

## Invited Lectures over past five years

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### **2016**

<b>January</b>	The Royal Institution Discourse, London, UK
<b>February</b>	Gordon Research Conference, Tuscany, Italy Chemistry Anniversary Lecture, University of York, UK
<b>March</b>	UCLA, California, USA Structural Biology Symposium, Texas, USA ACS Meeting, California, USA Malaghan Institute of Medical Research, Wellington, New Zealand
<b>April</b>	Oxford Alumni North America Event, Washington, USA
<b>June</b>	Novalix Symposium, Strasbourg, France Torbern Bergman Award Lecture, Umea, Sweden Vallee Foundation Summer Symposium, Rapallo, Italy Membrane Pore Meeting, London, UK
<b>July</b>	Max Quant Summer School, Oxford, UK German Chemical Society, Berlin, Germany
<b>August</b>	The Bonnie Wallace Celebratory Symposium, London, UK
<b>September</b>	The Harry G. Day Lecture, University of Indiana, USA Boehringer-Ingelheim, Ridgefield, USA Pfizer Research Institute, Groton, USA Rockefeller University, New York, USA Harvard Medical School, Boston, USA
<b>November</b>	The Astra Zeneca Medal Award Lecture, Biochemistry Society, London, UK Novartis, Basel, Switzerland
<b>December</b>	Native Mass Spectrometry Summit, Bremen, Germany

## Invited Lectures over past five years

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### **2015**

- February** Keynote Speaker, Radcliffe Department of Medicine Annual Symposium, Oxford, UK
- March** The L'Oréal-UNESCO for Women in Science Award Lecture, Sorbonne, Paris, France  
The Hobart H. Willard Memorial Lecture, University of Michigan, USA  
Wellcome Trust, London, UK
- April** ASBMB 2015 Annual Meeting, Boston USA  
Maurice Wilkins Center, Auckland, New Zealand  
Imperial College, London, UK
- May** The 2015 Rodney Porter Lecture, Oxford, UK  
London Stock Exchange, UK  
2015 Rodney Porter Memorial Lecture, Oxford, UK
- July** F. Hoffmann-La Roche, Basel, Switzerland
- August** Queenstown Proteins Meeting, Queenstown, New Zealand  
School of Biological Sciences, Auckland, New Zealand
- September** Wellcome Trust Frontiers Meeting, London, UK
- October** Swedish Mass Spectrometry Society, Stockholm, Sweden  
Structural Genomics Symposium, Oxford, UK  
The Havinga Medal Lecture, Leiden, The Netherlands  
British Antarctic Survey, Cambridge, UK  
Churchill College, Cambridge, UK  
American Society of Mass Spectrometry, California, USA  
The Irving O Shoichet Lecture, Toronto, Canada
- November** The Amgen Lecture, Shanghai, China
- December** Gaskell Symposium, Manchester, UK

## PUBLICATIONS

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### 2019

1. C-C Su, P. A. Klenotic, J. R. Bolla, G. E. Purdy, C. V. Robinson CV and E. W. Yu.  
MmpL3 is a lipid transporter that binds trehalose monomycolate and phosphatidylethanolamine.  
***Proc Natl Acad Sci USA***, 2019, 116(23): 11241-11246.
2. C. V. Robinson, T. Rohacs and S. B. Hansen.  
Tools for understanding nanoscale lipid regulation of ion channels.  
***Trends Biochem Sci***, 2019, *in press*.
3. T. Vasanthakumar, S. A. Bueler, D. Wu, V. Beilsten-Edmands, C. V. Robinson and J. L. Rubinstein.  
Structural comparison of the vacuolar and Golgi V-ATPases from *Saccharomyces cerevisiae*.  
***Proc Natl Acad Sci USA***, 2019, 116(15): 7272-7277.
4. J. R. Bolla, M. T. Agasid, S. Mehmood and C. V. Robinson.  
Membrane protein-lipid interactions probed using mass spectrometry.  
***Annu. Rev. Biochem***, 2019, 88: 20.1–20.27.
5. X. Miliara, T. Tatsuta, J-L. Berry, S. L. Rouse, K. Solak, D. S. Chorev, D. Wu, C. V. Robinson, S. Matthews and T. Langer.  
Structural determinants of lipid specificity within Ups/PRELI lipid transfer proteins.  
***Nat Commun***, 2019, 10: 1130.
6. F. Fiorentino, J. R. Bolla, S. Mehmood and C. V. Robinson.  
The different effects of substrates and nucleotides on the complex formation of ABC transporters.  
***Structure***, 2019, 27: 1-9.
7. C. V. Robinson.  
Mass spectrometry: From plasma proteins to mitochondrial membranes.  
***Proc Natl Acad Sci USA***, 2019, pii: 201820450.
8. W. Song, H. Y. Yen, C. V. Robinson and M. S. P. Sansom.  
State-dependent lipid interactions with the A2a receptor revealed by MD Simulations using in vivo-mimetic membranes.  
***Structure***, 2019, 27(2): 392-403.
9. D. Wu, J. Li, W. B. Struwe and C. V. Robinson.  
Probing: N -glycoprotein microheterogeneity by lectin affinity purification-mass spectrometry analysis.  
***Chem Sci***, 2019, 10(19): 5146-5155.
10. C. V. Robinson.  
Capturing biology in flight.  
***J Am Soc Mass Spectrom***, 2019, 30(1): 4-6.



## **2018**

11. W. Song, H. Y. Yen, C. V. Robinson and M. S. P. Sansom.  
State-dependent lipid interactions with the A2a receptor revealed by MD Simulations using in vivo-mimetic membranes.  
**Structure**, 2018, pii: S0969-2126(18)30385-X.
12. D. S. Chorev, L. A. Baker, D. Wu, V. Beilsten-Edmands, S. L. Rouse, T. Zeev-Ben-Mordehai, C. Jiko, F. Samsudin, C. Gerle, S. Khalid, A. G. Stewart, S. J. Matthews, K. Grünwald and C. V. Robinson.  
Protein assemblies ejected directly from native membranes yield complexes for mass spectrometry.  
**Science**, 2018, 362(6416): 829-834.
13. J. B. Myers, B. G. Haddad, S. E. O'Neill, D. S. Chorev, C. C. Yoshioka, C. V. Robinson, D. M. Zuckerman and S. L. Reichow.  
Structure of native lens connexin-46/50 intercellular channels by CryoEM.  
**Nature**, 2018, 564: 372–377.
14. H. Gong, J. Li, A. Xu, Y. Tang, W. Ji, R. Gao, S. Wang, L. Yu, C. Tian, J. Li, H-Y. Yen, S. M. Lam, G. Shui, X. Yang, Y. Sun, X. Li, M. Jia, C. Yang, B. Jiang, Z. Lou, C. V. Robinson, L-L. Wong, L. W. Guddat, F. Sun, Q. Wang and Z. Rao.  
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