

CURRICULUM VITAE

May, 2017

Name: Jason S. Carroll, PhD FMedSci
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Education:

2002 Ph.D. (Cancer Research) The Garvan Institute and
University of New South Wales, Sydney, Australia
1997 B.Sc. Hons (Molecular Biology) University of Melbourne (1st
Class Honours), Melbourne, Australia

Professional Experience:

2016- Director of Research, University of Cambridge
2017- Associate Lecturer, Department of Pathology, University of
Cambridge
2010- Senior Group Leader, Cancer Research UK Cambridge
Institute, University of Cambridge
2007- Faculty, Department of Oncology, University of Cambridge
2013- Fellow, Clare College, University of Cambridge
2006-2010 Junior Group Leader, Cancer Research UK, Cambridge Research
Institute
2005-2006 Instructor of Medicine, Harvard Medical School, Boston, MA
2002-2006 Research Associate, Department of Medical Oncology, Dana-
Farber Cancer Institute and Harvard Medical School, Boston, MA
1997-1998 Research Assistant, Genomics Disorders Research Centre,
St. Vincent's Institute of Medical Research, Melbourne, Australia

Industry Experience:

2017- Founder and Chief Scientific Officer, Azeria Therapeutics Limited

Awards and Honours:

1998-2002 Australian Postgraduate Award
2002 Freedman Foundation Fellowship Award

2002	Garvan Institute Annual Thesis Award
2005	Dana-Farber/Harvard Cancer Center symposium award
2009	British Association for Cancer Research: Frank Rose Young Scientist of the year award
2010	EMBO Young Investigator award
2012	Cancer Research UK Future leaders award
2013	AACR Outstanding Investigator Award
2014	Susan G. Komen Scholarship winner
2014	Louis-Jeantet Young Investigator Career Award
2015	European Journal of Endocrinology Award
2016	Komen Scholar
2016	EMBO membership
2016	Society for Endocrinology Medal Lecture
2017	Fellow, Academy of Medical Sciences

Funding:

1998-2002	Australian Postgraduate Award
2002	Freedman Foundation Fellowship Award
2003	Peter Doherty Fellowship (declined)
2003-2007	Department of Defense Postdoctoral Fellowship
2009-2011	Breast Cancer Campaign Project grant
2009-2014	ERC Starting grant
2006-	CRUK core funding
2014-2015	Louis-Jeantet Young Investigator Award
2015-2020	ERC Consolidator award
2016-2019	Komen Scholarship

Supervised PhD students:

2007-2011	Caryn Ross-Innes
2009-2013	Jessica Robinson
2009-2013	Hisham Mohammed
2011-2015	Kamila Jozwik
2013-2016	Adam Nelson: Clinical fellow
2013-2016	Simon Johnston: Clinical fellow
2014-2015	Sarah Jurmeister
2014-2015	Karan Wadhwa
2015-2019	Rebecca Broome
2015-2019	Silvia Glont
2016-2021	Eva Papachristou
2016-2019	Sanjeev Kumar: Clinical Fellow

Professional activities:

Senior editor: *Molecular Cancer Research*
 Associate Editor: *Oncogene*
 Scientific Editor: *BBA Reviews on Cancer*
 Editorial board: *Endocrinology journal*
 Editorial board: *Molecular Endocrinology*
 Editorial board: *Nucleic Acids Research*
 Editorial board: *Cancer Research*
 Associate editor: *BMC Cancer*

Board member: *Trends in Endocrinology and Metabolism*
Board member: ecancer medical science
Board member: *Open Biology*
Member: BACR and EACR
Member: Society for Endocrinology
Member: The Biochemical Society
Member: European Society for Endocrinology
Member: American Association for Cancer Research

Publications:

1. **Carroll, J.S**, Prall, O.W.J, Musgrove, E.A and Sutherland, R.L. A Pure Estrogen Antagonist Inhibits Cyclin E-Cdk2 Activity in MCF-7 Breast Cancer Cells and Induces Accumulation of p130-E2F4 Complexes Characteristic of Quiescence. *J Biol Chem.*, 2000; 275: 38221-9.
2. Prall, O.W.J, **Carroll, J.S** and Sutherland, R.L. A low abundance pool of nascent p21 is targeted by estrogen to activate cyclin E-Cdk2. *J Biol Chem.*, 2001, 276: 45433-42
3. **Carroll, J.S**, Swarbrick, A, Musgrove, E. A and Sutherland, R.L., Mechanisms of growth arrest by *c-myc* antisense oligonucleotides in MCF-7 breast cancer cells: Implications for the anti-proliferative effects of antiestrogens. *Cancer Res.* 2002, 62: 3126-31
4. Hui, R, Finney, G.L, **Carroll, J.S**, Lee, C.S, Musgrove, E.A and Sutherland, R.L. Constitutive cyclin D1 but not cyclin E confers acute resistance to antiestrogens in T-47D breast cancer cells. *Cancer Res.* 2002, 62: 6916-23
5. Doisneau-Sixou, S.F, Cestac, P, Chouini, S, **Carroll, J.S**, Hamilton, A.D, Sebti, S.M, Poirot, M, Balaguer, P, Faye, J.C, Sutherland, R.L and Favre, G. Contrasting effects of prenyltransferase estrogen-dependent cell cycle progression and estrogen receptor-mediated activity in MCF-7 cells. *Endocrinology.* 2003, 144: 989-98
6. Doisneau-Sixou, S.F, Sergio, C.M, **Carroll, J.S**, Hui, R, Musgrove, E.A and Sutherland, R.L. Estrogen and antiestrogen regulation of cell cycle progression in breast cancer cells. *Endocrine Related Cancer.* 2003, 10: 179-86
7. **Carroll, J.S**, Lynch, D.K, Swarbrick, A, Renoir, J-M, Sarcevic, B, Daly, R.J, Musgrove, E.A and Sutherland, R.L. p27(Kip1) induces quiescence and growth factor insensitivity in tamoxifen-treated breast cancer cells. *Cancer Res.* 2003, 63:4322-6
8. Mawson, A, Lai, A, **Carroll, J.S**, Sergio, C.M, Mitchell, C.J and Sarcevic, B. Estrogen and insulin/IGF-I cooperatively stimulate cell cycle progression in MCF-7 breast cancer cells through regulation of c-Myc and cyclin D1. *Mol Cell Endo.* 2005, 229:161-73
9. **Carroll, J.S**, Liu, X.S, Brodsky, A.S, Meyer, C.A, Li, W, Szary, A.J, Eeckhoute, J, Shao, W, Hestermann, E.V, Geistlinger, T.R, Fox, E.A, Silver, P.A and Brown, M. Chromosome-wide mapping of Estrogen Receptor binding reveals long-range regulation requiring the Forkhead protein FoxA1. *Cell.* 2005, 122:33-43
10. Wang, Q, **Carroll, J.S** and Brown, M. Novel special and temporal recruitment of Androgen Receptor and its coactivators leads to chromosomal looping and polymerase tracking. *Mol Cell*, 2005, 19:631-42

11. Carroll, D.K, **Carroll, J.S**, Sofer, A, Cheng, F, Brown, M, Mills, A.A, Brugge, J.S and Ellisen, L.W. p63 regulates an adhesion program and cell survival in epithelial cells. *Nature Cell Biol.*, 2006, 8:551-61
12. **Carroll, J.S** and Brown, M. Estrogen Receptor Target Gene: an Evolving Concept. *Mol Endocrinol.*, 2006, 20:1707-14
13. Johnson, W. E, Li, W, Meyer, C. A, Gottardo, R, **Carroll, J. S**, Brown, M and Liu, X. S. MAT: Model-based analysis of tiling-arrays for ChIP-chip, *Proc Natl Acad Sci USA*, 2006, 103:12457-62
14. Eeckhoutte, J, **Carroll, J.S**, Geistlinger, T.R, Torres-Arzayus, M.I and Brown, M. Combinatorial transcriptional network required for estrogen regulation of cyclin D1 and cell cycle progression in breast cancer cells, *Genes Dev.*, 2006, 20:2513-26
15. **Carroll, J.S**, Meyer, C.A, Song, J, Li, W, Geistlinger, T.R, Eeckhoutte, J, Brodsky, A.S, Keeton, E.K, Fertuck, K.C, Hall, G.F, Wang, Q, Bekiranov, S, Sementchenko, V, Fox, E.A, Silver, P.A, Gingeras, T.R, Liu, X.S and Brown, M. Genome-wide analysis of Estrogen Receptor binding sites, *Nature Genetics*, 2006, 38:1289-97
16. Wang, Q, Li, W, Liu, X.S, **Carroll, J.S**, Janne, O.A, Chinnaiyan, A.M, Pienta, K.J and Brown, M. A transcriptional regulatory network governs prostate cancer growth and survival, *Mol Cell*, 2007, 27:380-92
17. Schmelzle, T, Mailleux, A.A, Overholtzer, M, **Carroll, J.S**, Solimini, N.L, Lightcap, E.S, Veiby, O.P and Brugge, J.S. Functional role and oncogene-regulated expression of the BH3-only proapoptotic factor Bmf in mammary epithelial anoikis. *Proc Natl Acad Sci USA*, 2007, 104: 3787-92
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19. Green, K.A and **Carroll, J.S**. Oestrogen Receptor mediated transcription and the influence of co-factors and chromatin state. *Nature Reviews Cancer*, 2007, 7:713-22
20. Krum, S. A, Miranda-Carboni, G. A, Hauschka, P. V, **Carroll, J. S**, Lane, T. F, Freedman, L. P, and Brown, M. Estrogen protects bone by inducing Fas ligand in Osteoblasts to regulate Osteoclast survival. *EMBO J*, 2008, 27:535-45
21. Lupien, M, Eeckhoutte, J, Meyer, C. A, Wang, Q, Zhang, Y, Li, W, **Carroll, J. S**, Liu, X. S and Brown, M. FoxA1 translates epigenetic signatures into enhancer driven lineage-specific transcription. *Cell*, 2008, 132:958-70
22. Dietz, S.C and **Carroll, J.S**. Interrogating the genome to understand ER transcription in breast cancer cells. *Expert Reviews in Molecular Medicine*. 2008, 1;10:e10

23. Johnson, D.S, Li, W, Gordon, D.B, Bhattacharjee, A, Curry, B, Ghosh, J, Brizuela, L, **Carroll, J.S**, Brown, M et. al. Systematic evaluation of variability in ChIP-chip experiments using predefined DNA targets. *Genome Research*, 2008. 18:393-403
24. Li, W, **Carroll, J.S**, Brown, M and Liu X.S. xMAN: extreme MApping of OligoNucleotides. *BMC Genomics*, 2008, 9:S20
25. Holmes, K.A, Song, J.S, Liu, X.S, Brown, M and **Carroll, J.S**. Nkx3-1 and LEF-1 function as transcriptional inhibitors of Estrogen Receptor activity, *Cancer Res.*, 2008, 68: 7380-85
26. Krum, S.A, Miranda-Carboni, G.A, Lupien, M, Eeckhoute, J, **Carroll, J.S** and Brown, M. Unique ER-alpha cistromes control cell type-specific gene regulation. *Mol Endocrinol.*, 2008, 22: 2393-406.
27. Hurtado, T, Holmes, K.A, Geistlinger, T.R, Hutcheson, I.A, Nicholson, R.I, Brown, M, Jiang, J, Howat, W, Ali, S and **Carroll, J.S**. Regulation of ERBB2 by oestrogen receptor-PAX2 determines response to tamoxifen. *Nature*, 2008, 456: 663-7.
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31. Wang, Q, Li, W, Zhang, Y, Yuan, X, Beroukhim, R, Wang, H, Wu, T, Lupien, M, **Carroll, J. S**, Manrai, A. K, Janne, O. A, Balk, S. B, Mehra, R, Chinnaiyan, A. M, Rubin, M. A, True, L, Fiorentino, M, Fiore, C, Loda, M, Kantoff, P. W, Liu, X. S and Brown, M. Reprogramming of Androgen Receptor function in androgen-independent prostate cancer, *Cell*, 2009, 138: 245-56
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34. Redmond A.M and **Carroll, J. S.** Defining and targeting transcription factors in cancer. *Genome Biology*, 2009, 10: 311.1-311.3
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36. Badve, S, Collins, N. R, Bhat-Nakshatri, P, Turbin, D, Leung, S, Thorat, M, Dunn, S. E, Geistlinger, T. R, **Carroll, J. S.**, Brown, M, Bose, S, Teitell, M. A and Nakshatri, H. Subcellular Localization of Activated AKT in ER and PR Expressing Breast Cancers: Potential Clinical Implications, *Am J Path.*, 2010, 176: 2139-2149
37. Theodorou, V and **Carroll, J. S.** Estrogen receptor action in three dimensions – looping the loop. *Breast Cancer Res.*, 2010, 12: 303
38. Schmidt, D, Schwalie, P. C, Ross-Innes, C. S, Hurtado, A, Brown, G. D, **Carroll, J. S.**, Flicek, P and Odom, D. T. A CTCF-independent role for cohesin in tissue-specific transcription. *Genome Research*, 2010, 20: 578-588
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40. Zwart, W, Theodorou, V and **Carroll, J. S.** Estrogen Receptor positive breast cancer: a multidisciplinary challenge. *WIREs, Systems biology and medicine*, 2010, In Press
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42. Lupien, M, Meyer, C.A, Bailey, S.T, Eeckhoute, J, Cook, J, Westerling, T, Zhang, X, **Carroll, J.S.**, Rhodes, D.R, Liu, X.S and Brown, M. Growth factor stimulation induces a distinct ER cistrome underlying breast cancer endocrine resistance. *Genes Dev.*, 2010, 24: 2219-27
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44. Holmes, K.A, Hurtado, A, Brown, G.D, Launchbury, R, Ross-Innes, C.S, Hadfield, J, Odom, D.T and **Carroll, J.S.** TLE1 mediates Estrogen Receptor binding and transcriptional activity in breast cancer cells. *Proc Natl Acad Sci USA*, 2012, 109:2748-53

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47. Holland, D.G, Burleigh, A, Git, A, Goldgraben, M.A, Perez-Mancera, P.A, Chin, S.F, Hurtado, A, Bruna, A, Ali, H.R, Greenwood, W, Dunning, M.J, Samarajiwa, S, Menon, S, Rueda, O.M, Lynch, A.G, McKinney, S, Ellis, I.O, Eaves, C.J, **Carroll, J.S**, Curtis, C, Aparicio, S and Caldas, C. ZNF703 is a common luminal B breast cancer oncogene that differentially regulates luminal and basal progenitors in human mammary epithelium. *EMBO Mol Med.*, 2011, 3: 167-80
48. Krijgsman, O, Roepman, P, Zwart, W, **Carroll, J.S**, Tian, S, de Snoo, F.A, Bender, R.A, Bernards, R, Glas, A.M. A diagnostic gene profile for molecular subtyping of breast cancer associated with treatment response. *Breast Cancer Res. Treat*, 2011, 133: 37-47
49. Zwart, W, Theodorou, V, Kok, M, Canisius, S, Linn, S and **Carroll, J.S**. Estrogen Receptor co-factor-chromatin specificity in the transcriptional regulation of breast cancer. *EMBO J*, 2011, 30: 4764-76
50. Zaret, K.S and **Carroll, J.S**. Pioneer transcription factors: establishing competence for gene expression. *Genes Dev.*, 2011, 25: 2227-41
51. Ross-Innes, C.S, Brown, G. D and **Carroll, J.S**. A co-ordinated interaction between CTCF and ER in breast cancer cells, *BMC Genomics*, 2011, 12: 593
52. Ross-Innes, C.S, Stark, R, Teschendorff, A.E, Holmes, K.A, Ali, H.R, Dunning, M.J, Brown, G.D, Gojis, O, Ellis, I.O, Green, A.R, Ali, S, Chin, S.F, Palmieri, C, Caldas, C and **Carroll, J.S**. Differential oestrogen receptor binding is associated with clinical outcome in breast cancer. *Nature*, 2012, 481: 389-93
53. Jozwik K. M and **Carroll, J.S**. Pioneer factors in hormone dependent cancers. *Nature Reviews Cancer*, 2012, 12: 381-5
54. Natrajan R, Mackay A, Lambros MB, Weigelt B, Wilkerson PM, Manie E, Grigoriadis A, A'hern R, van der Groep P, Kozarewa I, Popova T, Mariani O, Turajlic S, Furney SJ, Marais R, Rodruigues DN, Flora AC, Wai P, Pawar V, McDade S, **Carroll J**, Stoppa-Lyonnet D, Green AR, Ellis IO, Swanton C, van Diest P, Delattre O, Lord CJ, Foulkes WD, Vincent-Salomon A, Ashworth A, Henri Stern M, Reis-Filho JS. A whole-genome massively parallel sequencing analysis of BRCA1 mutant oestrogen receptor-negative and -positive breast cancers, 2012, *J. Pathol.*, 227: 29-41
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and prostate cancer. *Front Endocrinol.* 2012; 3:68.

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57. Theodorou V, Stark R, Menon S and **Carroll J.S**. GATA3 acts upstream of FOXA1 in mediating ESR1 binding by shaping enhancer accessibility, *Genome Research*, 2012, 44: 1176-7

58. Meyer K.B and **Carroll J.S**. FOXA1 and breast cancer risk, *Nature Genetics*, 2012, 44:1176-7

59. Magnani, L, **Carroll, J**, Zwart, W and Palmieri, C. ChIPing away at breast cancer. *Lancet Oncol.*, 2012, 13: 1185-7

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62. Mohammed, H, D'Santos, C, Serandour, A.A, Ali, H.R, Brown, G.D, Atkins, A, Rueda, O.M, Holmes, K.A, Theodorou, V, Robinson, J.L.L, Zwart, W, Saadi, A, Ross-Innes, C.S, Chin, S-F, Menon, S, Stingl, J, Palmieri, C, Caldas, C and **Carroll, J.S**. Endogenous purification reveals GREB1 as a key estrogen receptor regulatory factor. *Cell Reports*, 2013, 3: 342-9.

63. Robinson J.L, Holmes K.A, **Carroll J.S**. FOXA1 mutations in hormone-dependent cancers. *Front Oncol.* 2013;3:20.

64. Zwart W, Koornstra R, Wesseling J, Rutgers E, Linn S, **Carroll J.S**. A carrier assisted ChIP-seq method for estrogen receptor-chromatin interactions from breast cancer core needle biopsy samples. *BMC Genomics.* 2013, 14:232

65. Bhat-Nakshatri, P, Song, E. K, Collins, N.R, Uversky, V.N, Dunker, A.K, O'Malley, B.W, Geistlinger, T.R, **Carroll, J.S**, Brown, M and Nakshatri, H. Interplay between estrogen receptor and AKT in Estradiol-induced alternative splicing. *BMC Med Genomics.* 2013, 6:21

66. Lai C.F, Flach K.D, Alexi X, Fox S.P, Ottaviani S, Thiruchelvam P.T, Kyle F.J, Thomas R.S, Launchbury R, Hua H, Callaghan H.B, **Carroll J.S**, Charles Coombes R,

Zwart W, Buluwela L, and Ali S. Co-regulated gene expression by oestrogen receptor α and liver receptor homolog-1 is a feature of the oestrogen response in breast cancer cells. *Nucleic Acids Res.* 2013, 41:10228-40

67. Redmond A.M and **Carroll J.S.** Enhancer-derived RNAs: 'spicing up' transcription programs. *EMBO J.* 2013,32:2096-8

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69. Mohammed H and **Carroll J.S.** Approaches for assessing and discovering protein interactions in cancer. *Mol Cancer Res.* 2013, 11:1295-302

70. **Carroll J.S.** Steroids, nuclear receptors and breast cancer. Preface. *Mol Cell Endocrinol.* 2014, 382:623.

71. Robinson J. L, Hickey T.E, Warren A.Y, Vowler S.L, Carroll T, Lamb A.D, Papoutsoglou N, Neal D.E, Tilley W.D and **Carroll J.S.** Elevated levels of FOXA1 facilitate androgen receptor chromatin binding resulting in a CRPC-like phenotype. *Oncogene.* 2013. doi: 10.1038/onc.2013.508.

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98. Paltoglou, S, Das, R, Townley, S.L, Hickey, T.E, Tarulli, G.A, Coutinho, I, Fernandes, R, Hanson, A.R, Denis, I, **Carroll, J.S**, Dehm, S.M, Raj, G.V, Plymate, S.R, Tilley, W.D, Selth, L.A. Novel Androgen Receptor Coregulator GRHL2 Exerts Both Oncogenic and Antimetastatic Functions in Prostate Cancer. *Cancer Res*. 2017, 77:3417-3430

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Additional publications

Guest Editor: Special issue on ‘Steroids and breast cancer’, *Molecular and Cellular Endocrinology*, 2013

Book Chapters

1. Watts, C.K.W., O.W.J. Prall, **J.S. Carroll**, N.R.C. Wilcken, E.M. Rogan, E.A. Musgrove and R. L. Sutherland. 1998. Antiestrogens and the cell cycle. In: Jordan, V.C. and Furr, B.J., ed(s). p 17-45. Antiestrogens and antiandrogens. Humana Press, Totowa, New Jersey

2. **Carroll, J.S.**, O.W.J. Prall, C.M. Sergio, E.M. Rogan, C.K.W. Watts, E.A. Musgrove and R.L. Sutherland. 2001. Estrogen/estrogen antagonist regulation of the cell cycle in breast cancer cells. In: Burnstein, K.L ed. P 57-71. Steroid hormones and cell cycle regulation. Kluwer Academic Publishers, Boston, Massachusetts

Invited Seminars

1. International Conference on Endocrinology (ICE), Sydney, Australia, 2000
2. Endocrine Society of Australia, Gold Coast, Australia, 2001
3. Harvard/DFCI Annual Breast Cancer Symposium, Boston, USA, 2005
4. Novartis Institute of Biomedical Research, Cambridge, USA, 2005
5. Biomedicum Institute, University of Helsinki, Finland, 2005
6. Affymetrix Users Meeting, Singapore, 2006
7. CCA Symposium in Oncogenomics and Proteomics, Amsterdam, Netherlands, 2006

8. Affymetrix Users meeting, Dublin, Ireland, 2007
9. Society for Endocrinology, BES, Birmingham, UK, 2007
10. Imperial College London (Hammersmith), London, UK, 2007
11. Affymetrix Meeting, University College Dublin, Ireland, 2007
12. Victorian Breast Cancer Research Consortium, Australia, 2007
13. Affymetrix ChIP-chip symposium, Boston, USA, 2007
14. NCRI, ChIP-chip meeting, Birmingham, UK, 2007
15. Garvan Institute of Medical Research, Sydney, Australia, 2007
16. CSC/IC, Microarray Centre, Hammersmith, London, UK, 2007
17. Genome Institute of Singapore, Singapore, 2007
18. Breakthrough Institute, London, UK, 2008
19. University of Dundee, Dundee, UK, 2008
20. CRESCENDO meeting, Munich, Germany, 2008
21. Marie-Curie GARD meeting, Madrid, Spain, 2008
22. The Novum lecture, Karolinska Institute, Stockholm, Sweden, 2008
23. ResisTH network, Tolouse, France, 2008
24. Newcastle University, Newcastle, UK, 2009
25. EACR Meeting, Cambridge, UK, 2009
26. Nuclear Receptor meeting, Spetses Island, Greece, 2009
27. NCRI Annual Cancer meeting, Birmingham, UK, 2009
28. Keystone meeting, Killarney, Ireland, UK, 2009
29. University of Edinburgh, UK, 2009
30. NCI/NIH meeting, Bethesda, USA, 2009
31. Imperial College, London, UK, 2009
32. University of Turin, Italy, 2010
33. Paterson Institute, Manchester, UK, 2010
34. University of Leeds, UK, 2010
35. Gordon Mammary Gland conference, Tuscany, Italy, 2010
36. VUMC, Amsterdam, The Netherlands, 2010
37. Keystone meeting, Keystone, Colorado, USA, 2010
38. University of Nottingham, UK, 2010
39. University of Manchester, UK, 2010
40. Peter MacCallum cancer Institute, Melbourne, Australia, 2010
41. Walter Eliza Hall Institute (WEHI), Melbourne, Australia, 2010
42. Genome Institute of Singapore, Singapore, 2010
43. Plenary talk, British breast cancer conference, Nottingham, UK, 2010
44. Plenary talk, Young prostate researchers symposium, UK, 2010
45. International Aromatase meeting, Edinburgh, UK, 2010
46. Biomedicum Institute, Helsinki, Finland, 2010
47. Karolinska Institute, Stockholm, Sweden, 2010
48. NKI, Amsterdam, The Netherlands, 2011
49. Breast SSG meeting, Cambridge, 2011
50. Irish Association for cancer research meeting, Cork, Ireland, 2011
51. Gordon Hormone action conference, Rhode Island, USA, 2011
52. FMI, Basel, Switzerland, 2011
53. EMBO meeting, Barcelona, Spain, 2011
54. EMBO YIP meeting, Heidelberg, Germany, 2011
55. Bone Biology forum, Mt Fuji, Japan, 2011
56. University of Tokyo, Japan, 2011
57. Teijin, Japan 2011
58. Nuclear Receptor research network, Amsterdam, Netherlands, 2011
59. Newcastle University, UK, 2011
60. University of Oxford, UK, 2011
61. EMBO chromatin YIP, Heidelberg, Germany, 2011

62. Centre for molecular medicine, Oslo, Norway, 2012
63. Josephine Nefkens Institute, Rotterdam, The Netherlands, 2012
64. Society for Endocrinology, BES, Harrogate, UK, 2012
65. University of Toronto, Canada, 2012
66. Sanger Institute, Cambridge, UK, 2012
67. Queen's University, Belfast, N. Ireland, 2012
68. IGBMC, Strasbourg, France, 2012
69. Université Libre de Bruxelles, Belgium, 2012
70. Karolinska Institute, Stockholm, Sweden, 2012
71. Metabolism and Endocrinology meeting, Odense, Denmark, 2012
72. Utrecht Medical Center, Utrecht, The Netherlands, 2012
73. NCRI, Liverpool, UK, 2012
74. Genes and Cancer, Warwick, UK, 2012
75. Plenary lecture, San Antonio breast cancer meeting, TX, USA, 2012
76. Next generation sequencing meeting, Imperial College, London, 2012
77. Breakthrough breast cancer institute, London, UK, 2013
78. Genentech, San Francisco, CA, USA, 2013
79. Nanyang Technical University, Singapore, 2013
80. University College London, UK, 2013
81. Precision Medicine in breast cancer meeting, London, UK, 2013
82. Birmingham Cancer Epigenetics conference, Birmingham, UK, 2013
83. University of Copenhagen, Denmark, 2013
84. Gordon Meeting, Hormone-dependent cancers, Rhode Island, US, 2013
85. Nuclear Receptors summer school, Spetses Island, Greece, 2013
86. AACR Breast cancer meeting, San Diego, US, 2013
87. Oslo breast cancer meeting, Oslo, Norway, 2013
88. Future of the Statistical Sciences Workshop, London, UK, 2013
89. University of Birmingham, UK, 2013
90. EMBO Nuclear Receptor meeting, Sorrento, Italy, 2013
91. San Antonio Breast cancer meeting, TX, USA, 2013
92. Keystone meeting, Taos, New Mexico, USA, 2014
93. NIMR, London, UK, 2014
94. Lorne Cancer Conference, Melbourne, Australia, 2014
95. Radboud Institute for Molecular Life Sciences, Nijmegen, Netherlands, 2014
96. International symposium on translational oncology, Barcelona, Spain, 2014
97. The Beatson Institute, Glasgow, Scotland, UK, 2014
98. The Patterson Institute, Manchester, UK, 2014
99. Breast cancer meeting, Oxford University, UK, 2014
100. Imperial College London, UK, 2015
101. Breast Cancer meeting, Institute for Radiology, London, UK, 2015
102. Lund University Cancer Centre, Lund, Sweden, 2015
103. Annual Hungarian biochemical conference, Eger, Hungary, 2015
104. EMBO Stem cell and cancer conference, Heidelberg, Germany, 2015
105. 39th Lineberger cancer conference, UNC, Chapel Hill, USA, 2015
106. AACR, Philadelphia, USA, 2015
107. Department of Pathology, University of Cambridge, UK, 2015
108. FEBS Nuclear Receptor course: Spetses Island, Greece, 2015

109. WIMM, University of Oxford, UK, 2015
110. EMBO Nuclear receptors conference, Corsica, France, 2015
111. BACR Annual Breast Cancer Conference, Newcastle, UK, 2015
112. The 13th Breast Cancer Frontier meeting, Tokyo, Japan, 2015
113. Dana-Farber special symposium, Boston, USA, 2015
114. Novartis Institute of Biomedical Research, Cambridge, USA, 2015
115. Imperial College London, UK, 2016
116. University of Geneva, Switzerland, 2016
117. Claude Bernard University Lyon 1, France, 2016
118. University of Bristol, UK, 2016
119. European Congress of Endocrinology, Munich, Germany, 2016
120. Dana-Farber Cancer Institute, Harvard Medical School, Boston, USA, 2016
121. Mass General Hospital, Boston, USA, 2016
122. Society for Endocrinology, BES conference, Brighton, UK, 2016
123. University of Southern Denmark, Odense, Denmark, 2017
124. British Breast Group Meeting, York, UK, 2017
125. Lorne Cancer Conference, Melbourne, Australia, 2017
126. Garvan Institute of Medical Research, Sydney, Australia, 2017
127. ENBDC meeting, Weggis, Switzerland, 2017
128. AACR conference, Washington DC, USA, 2017
129. IGMM, Edinburgh, UK, 2017