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Academic Positions

2016– Chair Professor, Division of Life Science, HKUST
2007-16 Professor, Division of Life Science, HKUST
2001-07 Associate Professor, Department of Biochemistry, HKUST
1996-01 Assistant Professor, Department of Biochemistry, HKUST

Other Positions

2010-25 Member, State Key Laboratory of Molecular Neuroscience
2009-18 Director, Center for Cancer Research, HKUST
2009-18 Founding Director, Biosciences Central Research Facility, HKUST

Education and Training

1994-96 The Salk Institute, USA
Postdoctoral Fellow (with Tony Hunter, FRS)
1990-94 St. Catharine's College, University of Cambridge, and Cancer Research UK
PhD Biochemistry (with Sir Tim Hunt, FRS, Nobel Laureate)
1986-89 St. Catharine's College, University of Cambridge, UK
MA Natural Sciences
1982-86 Tonbridge School, Tonbridge, UK
Judd Scholar

Honors and Awards

2021 Croucher Foundation Senior Research Fellowship Award
2004 Union for International Cancer Control (UICC) Yamagiwa-Yoshida Memorial
International Cancer Study Fellowship
2002 Croucher Foundation Senior Research Fellowship Award
2000 HKUST School of Science Teaching Award
1997 The Dan Charitable Trust Fund International Fellowship
1995-97 International Human Frontier Science Program Long-Term Fellowship
1994-95 European Molecular Biology Organisation (EMBO) Long-Term Fellowship
1991-94 Imperial Cancer Research Fund Research Studentship
1990-94 University of Cambridge Overseas Research Student Awards
1988 Student Ambassador of Hong Kong
1986 Tonbridge School Judd Scholarship

Scientific Advisory Boards

2019– State Key Laboratory of Liver Research (Academic Committee)

Government Appointments

2025– Steering Committee, RAISE+ Scheme, Innovation and Technology Commission

Grant Review Boards

2025– Panel Member, Junior Research Fellow Scheme, Research Grants Council
2022– Panel Member, Postdoctoral Fellowship Scheme, Research Grants Council

2022– Panel Member, HK PhD Fellowship Scheme, Research Grants Council
 2021– Biology and Medicine Panel, Joint Research Schemes, Research Grants Council
 2013-27 Grant Review Board, Health and Medical Research Fund, Health Bureau
 2024-25 Peer Review Expert Panel, RAISE+ Scheme, Innovation and Technology Commission
 2017-22 ITF Research Projects Assessment Panel, Innovation and Technology Commission

Editorial Boards

2024– Associate Editor, *Cell Biology International* (ISSN:1095-8355)
 2022– Associate Editor in Cell Death and Survival
Frontiers in Cell and Developmental Biology (ISSN:2296-634X)
 2020– Associate Editor, *Cancer Biology and Therapy* (ISSN:1555-8576)
 2017– Review Editor in Cell Growth and Division
Frontiers in Cell and Developmental Biology (ISSN:2296-634X)
 2024-25 Editorial Board, *Experimental and Molecular Medicine*
 2020-21 Guest Associate Editor for Cell Death and Survival,
Frontiers in Cell and Developmental Biology
 2015-16 Editorial Board, *SpringerPlus*
 2013-16 Editorial Board, *Experimental and Molecular Medicine*
 2008-18 Editorial Board, *Biochemical Journal*
 2012-15 Editorial Board, *J. Cancer Research Updates*
 2005-08 Editorial Advisory Panel, *Biochemical Journal*
 2001-20 Editorial Board, *Cancer Biology and Therapy*
 2001-02 Editorial Board, *International Archives of Bioscience*

Other Reviewing Activities

2026 Reviewer, Dutch Research Council Domain Science grant
 2024 Reviewer, European Science Foundation (ESF) grant
 2024 Judging Expert, 2023 State Science and Technology Awards
 2022 External reviewer, Natural Sciences and Engineering Research Council of Canada
 2020 Reviewer, Italian Ministry of Health
 2019 Reviewer, Nanyang University (Singapore) Tier 1 grant
 2019 Reviewer, Israel Science Foundation grant
 2017 Assessment of completed projects, Research Grants Council, HK
 2016 Reviewer, Italian Ministry of Health
 2015 Reviewer, UICC International Cancer Technology Transfer Fellowships programme
 2015 Reviewer, Italian Ministry of Health
 2014 Reviewer, A*STAR, Singapore
 2014 Reviewer, Yorkshire Cancer Research, UK
 2014 Reviewer, President's Science Award, Singapore
 2013 Reviewer, A*STAR, Singapore
 2013 Reviewer, Dutch Cancer Society (KWF Kankerbestrijding) grant
 2013 Reviewer, Cancer Research UK research project grant
 2013 Reviewer, Hong Kong Baptist University faculty research grant
 2012 Reviewer, Cancer Research UK research project grant
 2012 Reviewer, Hong Kong Baptist University faculty research grant
 2012 Grant reviewer, Università degli Studi di Torino, Italy
 2011 BBSRC (Biotechnology & Biological Sciences Research Council, UK) Grants Board
 2011 Reviewer, Association for International Cancer Research grant
 2011 Reviewer, Cancer Research UK research project grant
 2010 Reviewer, French National Research Agency
 2009 Reviewer, Cancer Research UK research project grant
 2004-05 Guest Editor, *Seminars in Cell and Developmental Biology* (Academic Press)
 2004 Reviewer for the Breast Cancer Campaign (UK) grant application
 2000 Reviewer, The International Human Frontier Science Program Research Grants
 2000 Reviewer, The Wellcome Trust Senior Research Fellowship / Research Project Grants
 1998-2004 Reviewer, Hong Kong Research Grants Council grants

1994– Ad hoc peer review for the following journals: *Archives Biochem. Biophys.* (2000–); *Biochem. Cell Biol.* (2005–); *Biochem. J.* (2005–); *Biol. Cell* (2010–); *Blood* (1997–); *Br. J. Cancer* (2004–); *Cancers* (2014–); *Cancer Letters* (2018–); *Cancer Res.* (2000–); *Cell Cycle* (2009–); *Cell Death and Disease* (2015–); *Cell Division* (2014–); *Current Biol.* (1996–); *Exp. Cell Res.* (2005–); *FEBS J.* (2013–); *FEBS Letters* (2005–); *Head & Neck* (2014–); *J. Cell Biol.* (1998–); *J. Cell Sci.* (1994–); *J. Lab. Clin. Med.* (2000–); *Mol. Biol. Cell* (1998–); *Mol. Biol. Reports* (2003–); *Mol. Carcinogenesis* (2005–); *Mol. Cell* (2007–); *Mol. Cell. Biol.* (1997–); *Mol. Interventions* (2011–); *Mol. Oncology* (2014–); *Nature* (2006–); *Nature Genetics* (2001–); *Neuro-Signals* (2003–); *Nucleic Acids Research* (2011–); *Oncogene* (1996–); *Oncogenic Res.* (2009–); *Proc. Natl. Acad. Sci. USA* (2000–); *Radiation Res.* (2007–); *Science Signaling* (2011–); SpringerPlus (2013–).
Ad hoc reviewer for books: Academic Press (1996–); CSHL Press (2012–)

Other Professional Activities

2025 External examiner, The University of Queensland, Australia
 2025 External examiner, Pathology, The University of Hong Kong
 2024 Organizer, HKUST–Zhejiang University Postgraduate Symposium
 2023 External examiner, Pathology, The University of Hong Kong
 2022 External examiner, The University of Queensland, Australia
 2022 External examiner, Pathology, The University of Hong Kong
 2021 External examiner, Pathology, The University of Hong Kong
 2021 External examiner, School of Biological Sciences, The University of Hong Kong
 2020 External examiner, Pathology, The University of Hong Kong
 2019 External examiner, Pathology, The University of Hong Kong
 2017 Speaker, St. Paul’s co-educational college, Hong Kong
 2017 External examiner, Nanyang Technology University, Singapore
 2016 External examiner, Pathology, The University of Hong Kong
 2016 External examiner, School of Biomedical Sciences, The University of Hong Kong
 2015 Speaker, HKUST 25th Anniversary “Science – Vision into the Future” Seminar, London
 2015 External examiner, Nanyang Technology University, Singapore
 2015 External examiner, Clinical Oncology, The University of Hong Kong
 2015 External examiner, HKU-Pasteur Research Pole
 2015 Speaker, Café Scientifiques, British Council, Hong Kong
 2015 External examiner, Clinical Oncology, The University of Hong Kong
 2014 External examiner, King’s College London, UK
 2014 Lecturer, 6th HKU-Pasteur Cell Biology Course
 2012 “Science-for-lunch”, Central, Hong Kong
 2012 External examiner, Anatomy, The Chinese University of Hong Kong
 2012 External examiner, National University of Singapore
 2012 Lecturer, 4th HKU-Pasteur Cell Biology Course
 2012 External examiner, School of Biomedical Sciences, CUHK
 2011 External examiner, Molecular Pathophysiology, Innsbruck Medical University, Austria
 2011 External examiner, Chemistry, The University of Hong Kong
 2011 External examiner, Clinical Oncology, The University of Hong Kong
 2010 External examiner, Anatomy, The University of Hong Kong
 2010 Lecturer, 2nd HKU-Pasteur Cell Biology Course
 2010 External examiner, Biochemistry, The University of Hong Kong
 2009 Judging panel, FameLab Hong Kong Competition
 2009 External examiner, Anatomical & Cellular Pathology, CUHK
 2007 External examiner, Biochemistry, The University of Hong Kong
 2007 External examiner, Anatomy, The University of Hong Kong
 2007 External examiner, Surgery, The Chinese University of Hong Kong
 2006 External examiner, The University of Queensland, Australia
 2005 Member, Federation of European Biochemical Societies
 2005 Member, Biochemical Society, UK
 2005 Visiting scholar, Kanazawa University, Kanazawa, Japan
 2004 External examiner, Surgery, The University of Hong Kong
 2004 External examiner, Pathology, The University of Hong Kong

2004	Member, American Society of Microbiology, USA
2003	External examiner, Biochemistry, The University of Hong Kong
2003	External examiner, Pathology, The University of Hong Kong
2002	Member, American Association for Cancer Research, USA
2001	Visiting scholar, Kanazawa University, Kanazawa, Japan
1999	External examiner, Microbiology, The University of Hong Kong
1998	Founding member, Asia-Pacific International Molecular Biology Network (A-IMBN)
1997	Biotechnology Research Institute Working Group

Students and Postdoctoral Fellows Trained

Postdoctoral fellows (12); MPhil/PhD (52); MD-PhD (4)

H-index: 57

https://scholar.google.com/citations?user=UgRv_agAAAAJ&hl=en

Publications

- (1) Hsiu OON and **Poon RYC** (2026) ROS and the cell cycle: Cycling in and out of the comfort zone of redox control. *Current Opinion in Cell Biology* 99: 102613.
- (2) Yu CY, Du M, Yeung TK, and **Poon RYC** (2026) GET3 regulates apoptosis via tail-anchoring of MCL1. *Cell Death & Differentiation* In press
- (3) Crncec A, Lau HW, Ng LY, Ma HT, Mak JPY, Choi HF, Yeung TK, and **Poon RYC** (2025) Plasticity of mitotic cyclins in promoting the G₂-M transition. *Journal of Cell Biology* 224: e202409219.
- (4) Kim S, Lau TTY, Liao MK, Ma HT, and **Poon RYC** (2024) Co-regulation of NDC80 complex subunits determines the fidelity of the spindle-assembly checkpoint and mitosis. *Molecular Cancer Research* 22: 423-39.
- (5) Lau TTY, Ma HT, and **Poon RYC** (2024) Kinesins regulate the heterogeneity in centrosome clustering after whole-genome duplication. *Life Science Alliance* 7: e202402670.
- (6) Yu CY, Yeung TK, Fu WK, and **Poon RYC** (2024) BCL-XL regulates the timing of mitotic apoptosis independently of BCL2 and MCL1 compensation. *Cell Death & Disease* 15: 2.
- (7) Lau TY and **Poon RYC** (2023) Whole-genome duplication and genome instability in cancer cells: double the trouble. *International Journal of Molecular Sciences* 24: 3733.
- (8) Ng LY, Ma HT, and **Poon RYC** (2023) Cyclin A-CDK1 suppresses the expression of the CDK1 activator CDC25A to safeguard timely mitotic entry. *Journal of Biological Chemistry* 299: 102957.
- (9) **Poon RYC** (2023) Mitotic Catastrophe. In: Bradshaw Ralph A., Hart Gerald W. and Stahl Philip D. (eds.) *Encyclopedia of Cell Biology, Second Edition*, vol. 5, pp. 210–216. Oxford: Elsevier.
- (10) Wang Y and **Poon RYC** (2023) MARCH5 regulates mitotic apoptosis through MCL1-dependent and independent mechanisms. *Cell Death & Differentiation* 30: 753-65.
- (11) Yeung TK, Kim S, Ma HT, and **Poon RYC** (2023) A robust dual gene ON-OFF toggle directed by two independent promoter–degron pairs. *Journal of Cell Science* 136: jcs260754.
- (12) Lau HW, Ma HT, Yeung TK, Tam MY, Zheng D, Chu SK, and **Poon RYC** (2021) Quantitative differences between cyclin-dependent kinases underlie the unique functions of CDK1 in human cells. *Cell Reports* 37: 109808.
- (13) **Poon RYC** (2021) Cell cycle control: a system of interlinking oscillators. *Methods in Molecular Biology* 2329: 1-18.
- (14) Yeung TK, Lau HW, Ma HT, and **Poon RYC** (2021) One-step multiplex toolkit for efficient generation of conditional gene silencing human cell lines. *Molecular Biology of the Cell* 32: 1320-30.
- (15) Lok TS, Wang Y, Xu WK, Xie S, Ma HT, and **Poon RYC** (2020) Mitotic slippage is determined by p31^{comet} and the weakening of the spindle-assembly checkpoint. *Oncogene* 39: 2819-34.
- (16) Ma HT and **Poon RYC** (2020) Aurora kinases and DNA damage response. *Mutation Research* 821: 111716.
- (17) Mak JPY, Ma HT, and **Poon RYC** (2020) Synergism between ATM and PARP1 inhibition involves DNA damage and abrogating the G₂ DNA damage checkpoint. *Molecular Cancer Therapeutics* 19: 123-134.
- (18) Ng LY, Ma HT, Liu JCY, Huang X, Lee N, and **Poon RYC** (2019) Conditional gene inactivation by combining tetracycline-mediated transcriptional repression and auxin-inducible degron-mediated degradation. *Cell Cycle* 18: 238-48.
- (19) Zeng X, Xu WK, Lok TM, Ma HT, and **Poon RYC** (2019) Imbalance of the spindle-assembly checkpoint promotes spindle poison-mediated cytotoxicity with distinct kinetics. *Cell Death & Disease* 10: 314.

- (20) Ma HT and **Poon RYC** (2018) TRIP13 functions in the establishment of the spindle-assembly checkpoint by replenishing O-MAD2. *Cell Reports* 22: 1439-50.
- (21) **Poon RYC** (2018) Cyclin A. In *Encyclopedia of Signalling Molecules*. Second Edition. Ed. Sangdun Choi. Springer, New York. p. 1254-9.
- (22) Ma HT and **Poon RYC** (2017) Synchronization of HeLa cells. *Methods in Molecular Biology* 1524: 189-201.
- (23) Wang XQ, Lo CM, Chen L, Ngan ES, Xu A, and **Poon RYC** (2017) CDK1-PDK1-PI3K/Akt-signaling pathway regulates embryonic and induced pluripotency. *Cell Death & Differentiation* 24: 38-48.
- (24) Xia W, Lo CM, **Poon RYC**, Cheung TT, Chan ACY, Chen L, Yang S, Tsao GSW, and Wang XQ (2017) Smad inhibitor induces CSC differentiation for effective chemosensitization in cyclin D1- and TGF- β /Smad-regulated liver cancer stem cell-like cells. *Oncotarget* 8: 38811-24.
- (25) Ye F, Kang E, Yu C, Qian X, Jacob F, Yu C, Mao M, **Poon RYC**, Kim J, Song H, Ming G, Zhang M (2017) DISC1 regulates neurogenesis via modulating kinetochore attachment of Ndel1/Nde1 during mitosis. *Neuron* 96: 1041-54.
- (26) Huang S, Tang R, and **Poon RYC** (2016) BCL-W is a regulator of microtubule inhibitor-induced mitotic cell death. *Oncotarget* 7: 38718-30.
- (27) Ma HT and **Poon RYC** (2016) TRIP13 regulates both the activation and inactivation of the spindle-assembly checkpoint. *Cell Reports* 14: 1086-99.
- (28) **Poon RYC** (2016) Cell cycle control: a system of interlinking oscillators. *Methods in Molecular Biology* 1342: 3-19.
- (29) **Poon RYC** (2016) Mitotic catastrophe. In *Encyclopedia of Cell Biology*, 1st Edition. Ed Bradshaw & Stahl. Academic Press, San Diego, p 399-403.
- (30) Wong PY, Ma HT, Lee H, and **Poon RYC** (2016) MASTL(Greatwall) regulates DNA damage responses by coordinating mitotic entry after checkpoint recovery and APC/C activation. *Scientific Reports* 6: 22230.
- (31) Li J, Hong MJ, Chow JPH, Man WY, Mak JPY, Ma HT, and **Poon RYC** (2015) Co-inhibition of Polo-like kinase 1 and Aurora kinases promotes mitotic catastrophe. *Oncotarget* 6: 9327-40.
- (32) Mak JPY, Man WY, Chow JPH, Ma HT, and **Poon RYC** (2015) Pharmacological inactivation of CHK1 and WEE1 induces mitotic catastrophe in nasopharyngeal carcinoma cells. *Oncotarget* 6: 21074-84.
- (33) **Poon RYC** (2015) Cell cycle control. *Reference Module in Biomedical Sciences*. Elsevier. 08-Aug-2015 doi: 10.1016/B978-0-12-801238-3.98748-8.
- (34) Wong WK, Kelly T, Li J, Ma HT, and **Poon RYC** (2015) SGO1C is a non-functional isoform of Shugoshin and can disrupt sister chromatid cohesion by interacting with PP2A-B56. *Cell Cycle* 14: 3965-77.
- (35) Xie S, Mortusewicz O, Ma HT, Herr P, **Poon RYC**, Helleday T, and Qian C (2015) Timeless interacts with PARP-1 to promote homologous recombination repair. *Molecular Cell* 60: 163-76.
- (36) Chen H, Huang S, Han X, Zhang J, Shan C, Tsang YH, Ma HT, and **Poon RYC** (2014) Salt-Inducible Kinase 3 is a novel mitotic regulator and a target for enhancing antimitotic therapeutics-mediated cell death. *Cell Death & Disease* 5: e1177.
- (37) Ma HT, Erdal S, Huang S, and **Poon RYC** (2014) Synergism between inhibitors of Aurora A and KIF11 overcomes KIF15-dependent drug resistance. *Molecular Oncology* 8: 1408-18.
- (38) Mak JPY, Man WY, Ma HT, and **Poon RYC** (2014) Pharmacological targeting the ATR-CHK1-WEE1 axis involves balancing cell growth stimulation and apoptosis. *Oncotarget* 5:10546-57.
- (39) Man WY, Mak JPY, and **Poon RYC** (2014) Dovitinib induces mitotic defects and activates the G₂ DNA damage checkpoint. *Journal of Cellular and Molecular Medicine* 18: 143-55.
- (40) Marxer M, Ma HT, Man WY, and **Poon RYC** (2014) p53 deficiency enhances mitotic arrest and slippage induced by pharmacological inhibition of Aurora kinases. *Oncogene* 33: 3550-60.
- (41) **Poon RYC** (2014) DNA damage checkpoints in nasopharyngeal carcinoma. *Oral Oncology* 50: 339-44.
- (42) Wang XQ, Chan KK, Ming X, Lui VCH, **Poon RYC**, Lo CM, Norbury C, and Poon RTP (2014) G₁ checkpoint establishment in vivo during embryonic liver development. *BMC Development Biology* 14: 23.
- (43) Xing X, **Poon RYC**, Wong CSC, and Yobas L (2014) Label-free enumeration of colorectal cancer cells from lymphocytes performed at a high cell-loading density by using interdigitated ring-array microelectrodes. *Biosensors and Bioelectronics* 61: 434-42.
- (44) Chow JPH, Man WY, Mao M, Chen H, Cheung F, Nicholls J, Tsao GSW, Lung ML, and **Poon RYC** (2013) Poly(ADP-ribose) polymerase 1 is overexpressed in nasopharyngeal carcinoma and its inhibition enhances radiotherapy. *Molecular Cancer Therapeutics* 12: 2517-28.
- (45) Chow JPH and **Poon RYC** (2013) The CDK1 inhibitory kinase MYT1 in DNA damage checkpoint recovery. *Oncogene* 32: 4778-88.
- (46) Han X and **Poon RYC** (2013) Critical differences between isoforms of Securin reveal mechanisms of Separase regulation. *Molecular and Cellular Biology* 33: 3400-15 (Spotlight article).

- (47) Poon RYC (2013) News and Views. Aurora B: hooking up with cyclin-dependent kinases. *Cell Cycle* 12: 1019-20.
- (48) Chen Y, Chow JPH, and Poon RYC (2012) Inhibition of Eg5 acts synergistically with checkpoint abrogation in promoting mitotic catastrophe. *Molecular Cancer Research*. 10: 626-35.
- (49) Ma HT, Chan YY, Chen X, On KF, and Poon RYC (2012) Depletion of p31^{comet} promotes sensitivity to antimetabolic drugs. *Journal of Biological Chemistry* 287: 21561-9.
- (50) Marxer M, Foucar CE, Man WY, Chen Y, Ma HT, and Poon RYC (2012) Tetraploidization increases sensitivity to Aurora B kinase inhibition. *Cell Cycle* 11: 2567-77.
- (51) Poon RYC (2012) Cyclin A. In *Encyclopedia of Signalling Molecules*. Ed. Sangdun Choi. Springer, New York. p. 491-6.
- (52) Tsang YH, Han X, Man WY, Lee N, and Poon RYC (2012) Novel functions of the phosphatase SHP2 in the DNA replication and damage checkpoints. *PLoS ONE* 7: e49943.
- (53) Chow JPH, Poon RYC, and Ma HT (2011) Inhibitory phosphorylation of CDK1 as a compensatory mechanism for mitotic exit. *Molecular and Cellular Biology* 31: 1478-91.
- (54) Ma HT and Poon RYC (2011) Orderly inactivation of the key checkpoint protein Mitotic Arrest Deficient 2 (MAD2) during mitotic progression. *Journal of Biological Chemistry* 286: 13052-9.
- (55) Ma HT and Poon RYC (2011) How protein kinases coordinate mitosis in animal cells. *Biochemical Journal* 435: 17-31.
- (56) Ma HT and Poon RYC (2011) Synchronization of HeLa cells. *Methods in Molecular Biology* 761: 151-61.
- (57) On KF, Chen Y, Ma HT, Chow JPH, and Poon RYC (2011) Determinants of mitotic catastrophes upon abrogation of the G₂ DNA damage checkpoint by UCN-01. *Molecular Cancer Therapeutics* 10: 784-94.
- (58) Poon RYC (2011) Biomedical research in Hong Kong. *The Biochemist* 33: 24-25.
- (59) Uchida S, Watanabe N, Kudo Y, Yoshioka K, Matsunaga T, Ishizaka Y, Nakagama H, Poon RYC, Yamashita K (2011) SCF^{beta-TrCP} mediates stress-activated MAP kinase-induced Cdc25B degradation. *Journal of Cell Science* 124: 2816-25.
- (60) Chow JPH and Poon RYC (2010) DNA damage and polyploidization. In *Polyploidization and Cancer*. Ed. Randy YC Poon. Springer, New York. p. 55-69.
- (61) Chow JPH and Poon RYC (2010) Mitotic catastrophe. In *Cell Cycle Deregulation in Cancer* 79-96. Ed. Greg Enders. Springer, New York.
- (62) Ho CC, Hau PM, Marxer M, and Poon RYC (2010) The requirement of p53 for maintaining chromosomal stability during tetraploidization. *Oncotarget* 1: 583-95 (cover story).
- (63) Ma HT and Poon RYC (2010) Genome reduplication: redeployment of cyclin-CDK complexes and spontaneous oscillation of APC/C. *Cell Cycle* 9: 431-2.
- (64) Ma HT and Poon RYC (2010) Gene downregulation with short hairpin RNAs and validation of specificity by inducible rescue in mammalian cells. *Current Protocols in Cell Biology* Chapter 27:Unit27.2.
- (65) Poon RYC (book editor) (2010) *Polyploidization and Cancer*. Springer, New York.
- (66) Chan YW, Chen Y, and Poon RYC (2009) Generation of an indestructible cyclin B1 by caspase-6-dependent cleavage during mitotic catastrophe. *Oncogene* 28: 170-83.
- (67) Ma HT, Tsang YH, Marxer M, and Poon RYC (2009) Cyclin A2-CDK2 cooperates with the PLK1-SCF^{beta-TrCP1}-EM11-APC/C axis to promote genome reduplication in the absence of mitosis. *Molecular and Cellular Biology* 29: 6500-14.
- (68) Uchida S, Yoshioka K, Kizu R, Nakagama H, Matsunaga T, Ishizaka Y, Poon RYC, and Yamashita K (2009) Stress-activated MAP kinases JNK and p38 target Cdc25B for degradation. *Cancer Research* 69: 6438-44.
- (69) Wang XQ, Liu VCH, Poon RTP, Lu P, and Poon RYC (2009) DNA damage-mediated S and G₂ checkpoints in human embryonal carcinoma cells. *Stem Cells* 27: 568-76.
- (70) Chan YW, Ma HT, Wong W, Ho CC, On KF, and Poon RYC (2008) CDK1 inhibitors antagonize the immediate apoptosis triggered by spindle disruption but promote apoptosis following the subsequent rereplication and abnormal mitosis. *Cell Cycle* 7: 1149-61.
- (71) Chan YW, On KF, Chan WM, Wong W, Siu HO, Hau PM, and Poon RYC (2008) The kinetics of p53 activation versus cyclin E accumulation underlies the relationship between the spindle-assembly checkpoint and the postmitotic checkpoint. *Journal of Biological Chemistry* 283: 15716-23.
- (72) Chen Y and Poon RYC (2008) The multiple checkpoint functions of CHK1 and CHK2 in maintenance of genome stability. *Frontiers Biosciences* 13: 5016-29.
- (73) Chan WM and Poon RYC (2007) The p53 isoform Δp53 lacks intrinsic transcriptional activity and reveals the critical role of nuclear import in dominant-negative activity. *Cancer Research* 67: 1959-69.
- (74) Fung TK, Ma HT, and Poon RYC (2007) Specialized roles of the two mitotic cyclins in somatic cells: Cyclin A as an activator of M phase-promoting factor. *Molecular Biology of the Cell* 18: 1861-73.

- (75) Poon RYC (2007) Mitotic phosphorylation: breaking the balance of power by a tactical retreat. *Biochemical Journal* 403: e5-7.
- (76) Poon RYC and Fung TK (2007) Cyclin A2. *AfCS-Nature Molecule Pages* (doi:10.1038/mp.a000717.01).
- (77) Ma HT, On KF, Tsang YH, and Poon RYC (2007) An inducible system for expression and validation of the specificity of short hairpin RNA in mammalian cells. *Nucleic Acids Research* 35: e22 (doi: 10.1093/nar/gkl1109).
- (78) Zhang W, Chan HM, Poon RYC, and Wu Z (2007) BS69 is involved in cellular senescence through the p53-p21^{cip1} pathway. *EMBO Reports* 8: 952-8.
- (79) Chan WM, Mak MC, Fung TK, Lau A, Siu WY, and Poon RYC (2006) Ubiquitination of p53 at multiple sites in the DNA binding domain. *Molecular Cancer Research* 4: 15-25.
- (80) Fung TK and Poon RYC (2006) Cyclin A1. *AfCS-Nature Molecule Pages* (doi:10.1038 /mp.a000716.01).
- (81) Hau PM, Siu WY, Wong N, Lai PBS, and Poon RYC (2006) Polyploidization increases the sensitivity to DNA-damaging agents in mammalian cells. *FEBS Letters* 580: 4727-36.
- (82) Ho CC, Siu WY, Lau A, Chan WM, Arooz T, and Poon RYC (2006) Stalled replication induces p53 accumulation through distinct mechanisms from DNA damage checkpoint pathways. *Cancer Research* 66: 2233-41.
- (83) Fung TK and Poon RYC (2005) A roller coaster ride with the mitotic cyclins. *Seminars in Cell and Developmental Biology* 16: 335-42.
- (84) Fung TK, Yam CH, and Poon RYC (2005) The N-terminal regulatory domain of cyclin A contains redundant ubiquitination targeting sequences and acceptor sites. *Cell Cycle* 4: 1411-20.
- (85) Ho CC, Siu WY, Chow JPH, Lau A, Arooz T, Tong HY, Ng IOL, and Poon RYC (2005) The relative contribution of CHK1 and CHK2 to Adriamycin-induced checkpoint. *Experimental Cell Research* 304: 1-15.
- (86) Poon RYC (2005) Editorial. *Seminars in Cell and Developmental Biology* 16: 309.
- (87) Chan WM, Siu WY, Lau A, and Poon RYC (2004) How many mutant p53 molecules are needed to inactivate a tetramer? *Molecular and Cellular Biology* 24: 3536-51.
- (88) Cheung N, So CW, Yam JW, So CK, Poon RYC, Jin DY, Chan LC (2004) Subcellular localization of EEN/endophilin A2, a fusion partner gene in leukemia. *Biochemical Journal* 383: 27-35.
- (89) Ng CP, Lee HC, Ho CW, Arooz T, Siu WY, Lau A, and Poon RYC (2004) Differential mode of regulation of the checkpoint kinases CHK1 and CHK2 by their regulatory domains. *Journal of Biological Chemistry* 279: 8808-19.
- (90) Siu WY, Lau A, Arooz T, Chow JPH, Ho HTB, and Poon RYC (2004) Topoisomerase poisons differentially activate DNA damage checkpoints through ataxia-telangiectasia mutated-dependent and -independent mechanisms. *Molecular Cancer Therapeutics* 3: 621-32.
- (91) Woo RA and Poon RYC (2004) Activated oncogenes promote and cooperate with chromosomal instability for neoplastic transformation. *Genes & Development* 18: 1317-30.
- (92) Woo RA and Poon RYC (2004) Gene mutations and aneuploidy: the instability that causes cancer. *Cell Cycle* 3: 1101-3.
- (93) Chow JPH, Siu WY, Fung TK, Chan WM, Lau A, Arooz T, Ng CP, Yamashita K, and Poon RYC (2003) DNA damage during the spindle-assembly checkpoint degrades CDC25A, inhibits cyclin-CDC2 complexes, and reverses cells to interphase. *Molecular Biology of the Cell* 14: 3189-4002.
- (94) Chow JPH, Siu WY, Ho HTB, Ma KHT, Ho CC, and Poon RYC (2003) Differential contribution of inhibitory phosphorylation of CDC2 and CDK2 for unperturbed cell cycle control and DNA integrity checkpoints. *Journal of Biological Chemistry* 278: 40815-28.
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Presentations at Meetings

- (1) **Poon RYC** (2027) "TBD". EMBO Workshop on Dynamic Kinetochore. Keble College, Oxford, UK. 6-10 Sep 2027. (invited speaker).
- (2) Lau TTY, Kim S, and **Poon RYC** (2025) "Centrosome Clustering-driven Genome Instability following Whole-Genome Duplication" EMBO Workshop on Chromosome Segregation and Aneuploidy. Stresa, Italy. 27-30 Apr 2025.
- (3) **Poon RYC** (2024) "Mitotic slippage: mechanisms and consequences" Cell Organization and Genome Integrity. Guangzhou. 7-9 Dec 2024. (invited speaker)
- (4) Hsiu ON and **Poon RYC** (2024) "Redox regulation of cell proliferation and mitotic cell fate" Hong Kong Inter-University Postgraduate Symposium. 15 Jun 2024.
- (5) Yeung TK and **Poon RYC** (2024) "A toolkit for generating conditional human cell lines for studying essential gene functions" Hong Kong Inter-University Postgraduate Symposium. 15 Jun 2024.
- (6) Lau TTY, Kim S, and **Poon RYC** (2024) "Multifaceted regulation of centrosome clustering after whole-genome duplication" EMBO Workshop on Dynamic kinetochore. Caux, Switzerland. 17-20 Jun 2024.
- (7) Kim S, Lau TTY, and **Poon RYC** (2024) "The role of NDC80 complex in regulation the spindle-assembly checkpoint and centrosome clustering" EMBO Workshop on Dynamic Kinetochore. Caux, Switzerland. 17-20 Jun 2024.
- (8) Choi HF and **Poon RYC** (2024) "CRISPR/Cas9 approach to unravel the molecular basis of telomeric DNA damage" EMBO Workshop on Telomere function and evolution in health and disease. Rome, Italy. 6-11 May 2024.
- (9) Lau TTY and **Poon RYC** (2023) "Kinesin-mediated regulation of centrosome clustering after whole-genome duplication" Inter-University Postgraduate Symposium. 17 Jun 2023.
- (10) Lau TTY and **Poon RYC** (2022) "Supernumerary centrosome clustering and reduction as strategies for cell polyploidization" Inter-University Postgraduate Symposium. 25 Jun 2022.
- (11) Crncec A, Ma HT, and **Poon RYC** (2021) "Re-defining the requirements for mitotic cyclins in mitotic progression in human cells" 11th Salk Institute Cell Cycle Meeting. The Salk Institute, San Diego, USA. 22-25 June 2021.

- (12) **Poon RYC** (2019) "A toolbox for conditional inactivation of essential genes" Frontier Forum on Chemical Biology and Omics Research. Southern University of Science and Technology, China. 14-15 Oct 2019 (invited speaker).
- (13) Ma HT, Lok TM, and **Poon RYC** (2018) "Role of TRIP13 and p31^{comet} in spindle-assembly checkpoint activation and inactivation". ASCBIEMBO 2018 Meeting. San Diego, USA. 8-12 Dec 2018.
- (14) Liu JCY, Ng LY, Ma HT, and **Poon RYC** (2018) "Building a novel system to investigate the role of cyclin A2 in G2/M checkpoint" Hong Kong Inter-University Postgraduate Symposium. Hong Kong. 23 Jun 2018.
- (15) Lok TM, Xu K, Ma HT, Xie S, and **Poon RYC** (2018) "Mitotic slippage involves in weakening of the spindle-assembly checkpoint" Hong Kong Inter-University Postgraduate Symposium. Hong Kong. 23 Jun 2018.
- (16) **Poon RYC** (2017) "Regulation of mitosis by the AAA+ATPase TRIP13" Workshop on Mitotic Fidelity. HKUST, Hong Kong. 22 Sep 2017.
- (17) Ma HT and **Poon RYC** (2017) "Spindle-assembly checkpoint activation: the role of TRIP13 and MAD2 conformation equilibrium" Cell cycle inside out, Conferences Jacques Monod. Roscoff, France. 18-22 Sep 2017.
- (18) **Poon RYC** (2017) "Taking a trip with TRIP13 on entering and exiting mitosis". Sussex – HKUST Collaborative Workshop. University of Sussex, UK. 25-29 Jun 2017. (invited speaker)
- (19) Mak JPY and **Poon RYC** (2016) "Synthetic lethality induced by pharmacological inhibition of ATM and PARP1". AACR Meeting: DNA Repair: Tumor Development and Therapeutic Response. Montreal, Canada. 2-5 Nov 2016.
- (20) Mak JPY and **Poon RYC** (2016) "Synergism between the Pharmacological Inhibition of PARP1 and ATM Involves Targeting Major DNA Damage Repair Pathways". Hong Kong Inter-University Postgraduate Symposium. 11 Jun 2016.
- (21) Ma HT and **Poon RYC** (2016) "TRIP13 regulates both the activation and inactivation of the spindle-assembly checkpoint". Cold Spring Harbor Meeting on The Cell Cycle. Cold Spring Harbor, NY, USA. 17-21 May 2016.
- (22) **Poon RYC** (2015) "Turning off the spindle-assembly checkpoint". IAS focused program on genome damage and stability. Hong Kong. 16-19 Dec 2015. (invited speaker)
- (23) **Poon RYC** (2015) "Exiting mitosis: how the spindle-assembly checkpoint is turned off". Hong Kong–San Diego Workshop on Signaling. 30 Oct 2015. Hong Kong. (invited speaker)
- (24) Ma HT and **Poon RYC** (2015) "The role of TRIP13 in maintaining the O- and C-MAD2 equilibrium". The 9th Salk Institute Cell Cycle Meeting. 7-10 Jul 2015. San Diego, USA.
- (25) Huang S and **Poon RYC** (2015) "Multiple anti-apoptotic BCL-2-like proteins determine antimetabolic drug-mediated cell fates". EACR-AACR-SIC special conference: anticancer drug action and drug resistance, from cancer biology to the clinic. 20-23 Jun 2015. Florence, Italy.
- (26) Wong PY, Ma HT, Lee HJ, and **Poon RYC** (2015) "The role of MASTL in G2 DNA damage checkpoint". Hong Kong Inter-University Postgraduate Symposium. 23 May 2015. Hong Kong.
- (27) Xu K and **Poon RYC** (2015) "Molecular regulation of mitotic slippage". Hong Kong Inter-University Postgraduate Symposium. 23 May 2015. Hong Kong.
- (28) **Poon RYC** (2015) "Drug targets in mitosis". HKUST–Peking University Shenzhen Graduate School joint symposium. 14 Mar 2015. Shenzhen. (invited speaker)
- (29) **Poon RYC** (2014) "DNA damage checkpoints and NPC". The Croucher Foundation Advanced Study Institute on Advances in Nasopharyngeal Carcinoma Studies. 1-4 Nov 2014. Hong Kong (invited speaker).
- (30) Huang S and **Poon RYC** (2014) "BCL-2 family in mitotic cell death and genome instability". Gordon Research Conference "Genomic instability" 6-11 Jul 2014. Hong Kong.
- (31) Huang S and **Poon RYC** (2014) "Functions of BCL-2 family in mitotic cell death". Hong Kong Inter-university biochemistry postgraduate symposium 14 Jun 2014. Hong Kong.
- (32) **Poon RYC** (2014) "Mitotic catastrophe: mechanisms and anticancer potential" Asia GenomeCheck Symposium. 6-7 Mar 2014. Ajou University, Suwon, Korea (invited speaker).
- (33) **Poon RYC** (2014) "Imaging mitosis: understanding cell fates following antimetabolic drug challenge" 7th Asian Pacific Organization of Cell Biology Congress and American Society for Cell Biology Workshops. 24-27 Feb 2014. Biopolis, Singapore (invited speaker).
- (34) Xie S, Mortusewicz O, Ma HT, **Poon RYC**, Helleday T, and Qian C (2014) Timeless interacts with PARP1 to promote homologous recombination repair. Gordon Research Conference on Genomic Instability. 6-11 Jul 2014, Hong Kong.
- (35) **Poon RYC** (2013) "Mitotic components as anticancer drug targets" 2nd HKUST-University of the Philippines symposium. HKUST, Hong Kong. 6-7 Dec 2013.

- (36) Ma HT, Erdal S, and **Poon RYC** (2013) "Interplay between Aurora kinase A and the kinesin protein Eg5 in bipolar spindle formation". EMBO workshop on chromosome segregation and aneuploidy. Breukelen, The Netherlands. 22-26 June, 2013.
- (37) **Poon RYC** (2013) "Checkpoint abrogation and mitotic catastrophe: mechanism and therapeutic potential". Symposium on "Biomedical Research across the Continents—Insight and Innovation" HKUST, Hong Kong. 7-8 Mar, 2013.
- (38) **Poon RYC** (2013) "Abrogation of the G₂ DNA damage checkpoint and mitotic catastrophe". Cycling to death: EMBO international workshop on cell death, DNA-damage and cell cycle control. Obergurgl, Austria. 23-27 Jan 2013 (invited speaker).
- (39) **Poon RYC** (2012) "Mitotic catastrophe: mechanisms and therapeutic potential". The 71st Annual Meeting of the Japanese Cancer Association. Sapporo, Japan. 19-21 Sep, 2012 (invited speaker).
- (40) **Poon RYC** (2012) "Abrogation of the DNA damage checkpoint: mitotic catastrophe and therapeutic potential" The 2nd Japan-China Symposium on Cancer Research. Chiba, Japan. 9-11 May 2012. (invited speaker)
- (41) Chen H, Ma H, Tsang Y, Cheung C, Ng SS, Zhang J, **Poon RYC** (2011) "Identifying novel kinases involved in mitotic progression using kinome-wide screens" American Society for Cell Biology (ASCB) Annual Meeting. Denver, CO, USA. Dec 3-7, 2011.
- (42) **Poon RYC** (2011) "Exploiting mitotic exit for potential anti-cancer therapies" The 5th International Workshop on Cell Regulations in Division and Arrest. Okinawa Institute of Science and Technology, Okinawa, Japan. Oct 23-27, 2011 (invited speaker).
- (43) Chow JPH and **Poon RYC** (2011) "The CDK1 inhibitory kinase MYT1 in checkpoint recovery" Cell Cycle Cancer and Development. Saint-Malo, France. 25-28 May 2011.
- (44) **Poon RYC** (2011) "Genome-wide identification of novel mitotic kinases" Functional phosphoproteomics in study of plant cell signaling and molecular system biology. Hong Kong. 3-7 Jan 2011 (invited speaker).
- (45) **Poon RYC** (2010) "Mitotic-specific checkpoints and genome instability" Biochemistry and Molecular Biology 2010 (BMB2010) Symposium. Kobe, Japan. 7-11 Dec 2010 (invited speaker).
- (46) Ma HT and **Poon RYC** (2010) "Dissociation of MAD2 from APC/C and mitotic checkpoint complex are differentially regulated upon checkpoint satisfaction" Jacques Monod Conference: Cell division: time and space. Roscoff, France. 11-15 Sep 2010.
- (47) **Poon RYC** (2009) "Uncoupling of mitosis and genome instability" Frontiers in Biomedical Research. The University of Hong Kong. 4 Dec 2009 (invited speaker).
- (48) **Poon RYC** (2009) "Genome reduplication: the role of the PLK1-betaTrCP-EMI1-APC/C axis in genome instability" The IMCB and the 12th Australian Cell Cycle Workshop: Cell Cycle Regulation and Tumorigenesis Symposium. Singapore 7-8 Sep 2009 (invited speaker).
- (49) Chow JPH, Ma HT, and **Poon RYC** (2009) "The role of CDC20 and CDK1 inhibitory phosphorylation in mitotic exit" The IMCB and the 12th Australian Cell Cycle Workshop: Cell Cycle Regulation and Tumorigenesis Symposium. Singapore 7-8 Sep 2009.
- (50) Ma HT, Marxer M, and **Poon RYC** (2009) "The role of cyclin B in cyclin A degradation". The IMCB and the 12th Australian Cell Cycle Workshop: Cell Cycle Regulation and Tumorigenesis Symposium. Singapore 7-8 Sep 2009.
- (51) Ma HT, Tsang YH, Marxer M, and **Poon RYC** (2009) "Genome reduplication: promotion of replication by EMI1-dependent oscillation of APC/C activity in the absence of mitosis" The 21st IUBMB and 12th FAOBMB International Congress of Biochemistry and Molecular Biology. Shanghai 2-7 Aug 2009 (invited speaker).
- (52) Ma HT, Fung TK, Lau PN, and **Poon RYC** (2008) "Precise regulation of A- and B-type cyclins is required to ensure chromosomal stability" Cell Cycle and Cancer 2008, Toulouse, France. Mar 25-28, 2008.
- (53) **Poon RYC** (2007) "Different mitotic cyclin isoforms contribute differentially to mitosis" Cell Regulations in Division and Arrest, Okinawa Institute of Science and Technology, Okinawa, Japan. Mar 25-29, 2007 (invited speaker).
- (54) **Poon RYC** (2007) "Cell cycle checkpoints in the maintenance of genome stability" 12th Medical Research Conference, Department of Medicine, The University of Hong Kong. Feb 3, 2007 (invited plenary talk).
- (55) **Poon RYC** (2007) "Cell cycle control and genome instability" Annual Research Day, Department of Medicine and Therapeutics, The Chinese University of Hong Kong. Feb 24 2007 (invited speaker).
- (56) Wang XQ, **Poon RYC**, and Fan ST (2007) Human EC cells have an enhanced S and G₂ cell cycle checkpoint in response to ionizing irradiation. 5th International Society of Stem Cell Research Annual Meeting, Cairns, Queensland, Australia. Jun 17-20 2007.

- (57) Chan WM, Yeung W, and **Poon RYC** (2006) "Regulation of p53 by ribosomal S6 kinase 4". The Thirteenth International p53 Conference. Columbia University, New York, USA. May 20-24, 2006.
- (58) Hau PM, Siu WY, Wong N, Lai PBS, and **Poon RYC** (2006) "Tetraploidization promotes sensitivity to genotoxic stress induced by DNA-damaging agents". The 7th World Congress of the International Hepato-Pancreato-Biliary Association (IHPBA 2006). Edinburgh, Scotland. Sep 3-7, 2006.
- (59) **Poon RYC** (2006) "Mitotic catastrophe: life and death during mitosis" Frontiers in Biomedical Research Conference. The University of Hong Kong. Dec 8, 2006 (invited talk)
- (60) **Poon RYC** (2006) "The role of cyclin A-CDK complexes as activators of M phase-promoting factor" Croucher Advanced Study Institute: Signaling in cell growth and differentiation. HKUST, Hong Kong. Jan 16-20, 2006 (talk)
- (61) Fung TK and **Poon RYC** (2005) "Cyclin A is required for the activation of M phase-promoting factor in mammalian cells" The 4th Cell Cycle Meeting. The Salk Institute for Biological Studies, La Jolla, USA. Jun 24-28, 2005 (talk)
- (62) Ho CC, Siu WY, Lau A, and **Poon RYC** (2004) "DNA replication checkpoint and p53" DNA Replication and Genome Integrity Meeting. The Salk Institute for Biological Studies, La Jolla, USA. Aug 11-15, 2004 (talk)
- (63) Woo RA and **Poon RYC** (2004) "Activated oncogenes promote and cooperate with chromosomal instability for neoplastic transformation". The Seventh Cancer Research UK Beatson International Cancer Conference: cell cycle, senescence, apoptosis and cancer. Glasgow, Scotland. Jun 20-23, 2004.
- (64) Fung TZ, Siu WY, Yam CH, Lau A, and **Poon RYC** (2002) "Regulation of human cyclin A and cyclin F during the cell cycle and DNA damage checkpoints". Jacques Monod Conference: The Cell Cycle and its Checkpoints. Roscoff, France. Sep 21-25, 2002.
- (65) Ng CP, Au T, Lee HC, Siu WY, and **Poon RYC** (2002) "Regulation of CHK1 and CHK2 after topoisomerase poisons-induced damage". The Cell Cycle and Cancer. Madrid, Spain. Sep 30-Oct 2, 2002.
- (66) **Poon RYC** (2002) "Proteolysis of cyclins during G₂-M by ubiquitination-dependent and independent pathways" The 28th Federation of European Biochemical Societies Meeting. Istanbul, Turkey. Oct 20-25, 2002 (invited talk)
- (67) Arooz T, Chan HY, Siu WY, Lau A, Yam CH, Hunter T, Watanabe N and **Poon RYC** (2001) "The contribution of human WEE1 to normal cell cycle control and DNA damage checkpoint". EMBO workshop on G₂/M progression and associated checkpoints. Salamanca, Spain. Sep 6-9, 2001.
- (68) Arooz T, Chan HY, Lau WSA, Leung KM, Po LS, Siu WY, Tsang FC, and **Poon RYC** (2001) "Regulation of G₂/M cell cycle DNA damage checkpoints" Advanced Study Institute on Molecular Genetic Basis of Cancer. The Hong Kong University of Science and Technology. Jan 6-12, 2001 (invited talk)
- (69) Leung KM, Po LS, Tsang FC, Siu WY, Lau A, and **Poon RYC** (2001) "Regulation of the mammalian G₂/M DNA damage checkpoint by p53 and ING1". Molecular Biology and New Therapeutic Strategies: Cancer Research in the 21st Century. American Association for Cancer Research. Maui, Hawaii, USA. Feb 12-16, 2001.
- (70) **Poon RYC** (2001) "Regulation of the DNA damage checkpoints by cyclin-dependent kinases and p53-dependent pathways" The 4th Conference of Asia-Pacific Molecular Biology Network. Taipei, Taiwan. Nov 3-4, 2001 (invited talk)
- (71) Yam CH, Siu WY, Kaganovich D, Bastians H, Ruderman JV, and **Poon RYC** (2001) Cleavage of cyclin A at R70-R71 by the bacterial protease OmpT. Keystone Symposium: Cell Cycle 2001. Taos Civic Center, Taos, New Mexico, USA. Jan 9-14, 2001.
- (72) Chan HHY, Arooz T, Siu WY, and **Poon RYC** (2000) "Regulation of the mammalian cell cycle by prohibitins". International conference on basic and clinical aspects of cell cycle control. Siena, Italy. May 29-31, 2000.
- (73) **Poon RYC** (2000) "Regulation of the DNA damage checkpoints by cyclin-dependent kinases and p53-dependent pathway" Symposium on Cell Cycle Control and Lung Cancer. The Hong Kong University of Science and Technology. Dec 11, 2000 (talk)
- (74) **Poon RYC** (2000) "Regulation of the G₂/M DNA damage checkpoint by cyclin-dependent kinases and p53-dependent pathway" The Third Annual Australian Cell Cycle Symposium. North Stadbroke Is., Queensland, Australia. Nov 11-13, 2000 (invited plenary talk)
- (75) **Poon RYC** (2000) "Cell cycle regulators as potential targets for cancer therapies" Oncology 2000 - From Molecules to Management. Hong Kong. March 23-24, 2000. Published in *Journal of Tumor Marker Oncology* 15:26 (invited talk)
- (76) Wang XQ, Ongkeko WM, Lau AWS, and **Poon RYC** (2000) "A possible role of p73 on the regulation of MDM2". The 91st American Association for Cancer Research Annual Meeting, San Francisco, USA. Apr 1-5, 2000.

- (77) Yam CH, Siu WY, Lau AWS, and **Poon RYC** (2000) "Regulation of human cyclin A by phosphorylation and APC". Fifth Cold Spring Harbor Meeting on The Cell Cycle. Cold Spring Harbor, NY, USA. May 17-21, 2000.
- (78) Wang XQ, Ongkeko WM, Lau A, Yamashita K, Harris AL, Cox LS, and **Poon RYC** (1999) "MDM2 and MDMX stabilize the p53-related protein p73" Keystone Symposium: The Molecular Basis of Cancer. Sagebrush Inn, Taos, New Mexico. Mar 15-21, 1999.
- (79) Wang XQ, Ongkeko WM, Lau A, Yamashita K, Harris AL, Cox LS, and **Poon RYC** (1999) "MDM2 and MDMX target the tumor suppressor p53 for degradation but stabilize p73" Cancer and the Cell Cycle Meeting. Lausanne, Switzerland. Jan 26-30, 1999.
- (80) Xin B, **Poon RYC**, and Cao L (1999) "p73 is induced to accumulate with SV40 T antigen and cooperates with T antigen to suppress cell growth" Cancer and the Cell Cycle Meeting. Lausanne, Switzerland. Jan 26-30, 1999.
- (81) Yam CH, Ng RWM, Chan HY, Wang XQ, Lau A, Siu WY, Arooz T, **Poon RYC** (1999) "Differential regulation of the degradation of cyclin A, cyclin B, cyclin E, and cyclin F" The Salk Institute, La Jolla, USA "Cell Cycle Meeting" Jun 18-22, 1999 (talk)
- (82) Yam CH, Ng RWM, Siu WY, Lau AWS, and **Poon RYC** (1999) "Regulation of cyclin A-Cdk2 by the SCF component Skp1 and the F-box protein Skp2" Cancer and the Cell Cycle Meeting. Lausanne, Switzerland. Jan 26-30, 1999.
- (83) **Poon RYC** (1998) "Regulation of the cell cycle by F-box proteins and the tumour suppressor p73" Symposium of the Centre for Cellular Biology, The University of Hong Kong "Impacts of genome projects on medicine and biotechnology". Oct 9-10, 1998 (invited talk)
- (84) Mal A, **Poon RYC**, and Harter ML (1997) "p21^{Cip1} is inactivated by the adenovirus E1A protein in biochemically differentiated muscle cells" Muscle development, Keystone symposium, Snowmass CO., USA. Apr 1-6, 1997.
- (85) Yam CH, Ng RWM, Chan IWY, Lau A, Hunt T and **Poon RYC** (1997) "Regulation of cyclin A-Cdk2 by Skp1 and Skp2" Kyoto, Japan "The Third UK-Japan Cell Cycle Workshop" (talk)
- (86) Yam CH, Ng RWM, Chan IWY, Lau A, and **Poon RYC** (1997) "Cell cycle control in normal and cancer cells by Skp1 and Skp2" Institute of Molecular and Cell Biology 10th anniversary symposium, Singapore. Nov 17-18, 1997.
- (87) **Poon RYC** and Hunter T (1996) "Induction and degradation of p21^{CIP1/WAF1} in irradiation-damaged cells and transformed cells" Cold Spring Harbor, Long Island, New York, USA "Cancer genetics and tumor suppressor genes" (talk)
- (88) **Poon RYC** and Hunter T (1995) "p27 in normal cell cycle progression and in cell cycle arrest" Jacques Monod Conference, Aussois, France "The cell division cycle" (talk)
- (89) Hunt, T., Adamczewski, J., Hawkins, C., Kobayashi, H., **Poon, R.**, and Stewart E. (1992) "Cyclins and their partners in *Xenopus laevis*" EMBL conference on Oncogenes and Growth Control. Heidelberg, Germany. Apr 12-16, 1992.
- (90) **Poon, R.**, Gannon J and Hunt T (1992) "Cyclin dependent kinases: family and regulation" American Society for Biochemistry and Molecular Biology Fall Symposium, Keystone, Colorado, USA "Structure and function of protein kinases and phosphatases" (talk)
- (91) Hunt T, Adamczewski J, Golsteyn R, Kobayashi H, **Poon R.**, and Stewart E (1991) "On the role of cyclins and their partners in the control of the cell cycle" Forty-Forth Annual Symposium on Fundamental Cancer Research: Genetic Mechanisms of Cancer. Houston, Texas, USA. Oct 29-Nov 1, 1991.

Organizing and Chairing of Conferences

- (1) Co-organizer. HKSUT-Zhejiang University PG Symposium. HKUST, Hong Kong. 15-18 Jul 2024.
- (2) Organizer. 2nd Workshop on Mitotic Fidelity. HKUST, Hong Kong. 30 May 2019.
- (3) Discussion leader. Gordon Research Conference on Genome Instability. HKUST, Hong Kong. 22-27 Jul 2018.
- (4) Organizer. Workshop on Mitotic Fidelity. HKUST, Hong Kong. 22 Sep 2017.
- (5) Co-organizer. IAS focused program on genome damage and stability. Hong Kong. 16-19 Dec 2015.
- (6) Co-organizer. Hong Kong-San Diego Workshop on Signaling. Hong Kong. 30 Oct 2015.
- (7) Organizing committee. Advanced Imaging – From System Biology to Single Cell & Single Molecule Analysis. Hong Kong. 2-7 Aug 2015.
- (8) Session chair. Cycling to death: International workshop on cell death, DNA-damage and cell cycle control. Obergurgl, Austria. 23-27 Jan 2013.
- (9) Session chair. The 2nd Japan-China Symposium on Cancer Research. Chiba, Japan. 9-11 May 2012.

- (10) Organizing committee. Tumor microenvironment. Hong Kong. 9-13 Jan 2012.
- (11) Organizing committee. Fundamental biology of aging and aging disorders. Hong Kong. 5-6 Jan 2011.
- (12) Session chair. Chinese University of Hong Kong School of Biomedical Sciences Research Day. 15 Jun 2010.
- (13) Organizing committee and session chair. Aging and Longevity: Biology and Challenge. The Croucher Foundation Advanced Study Institute. Hong Kong. 9-13 Feb 2009.
- (14) Organizing committee and co-chair. Frontier of Science meeting. The Royal Society UK and The Croucher Foundation. Hong Kong. Jan 2008.
- (15) Organizer. The Croucher Foundation Advanced Study Institute on "Signaling in Cell Growth & Differentiation". Hong Kong. 16-20 Jan 2006.
- (16) Organizer. Symposium on "Cell Cycle Control and Lung Cancer". Hong Kong. 11 Dec 2000.

Industry collaboration projects

- (1) CK Life Sciences Limited: collaborative studies on the combination of a cancer vaccine with immune checkpoint inhibitors for melanoma treatment (2018-21). Funded by Innovation and Technology Commission and CK Life Sciences.
- (2) Bayer: studies of p31^{comet} as a potential drug target (2012). Funded by Bayer.
- (3) Novartis: Preclinical evaluation of Dovitinib in nasopharyngeal carcinoma (2011-12). Funded by Novartis.

Activities and Accomplishments in Education

- (1) Teaching Development Grant: LIFS1902 General Biology II. HK\$ 150,000. 1 May 18-30 Oct 19 (co-PI).
- (2) HKUST School of Science Teaching Award (2000)

Administrative posts (selected)

- (1) School Appointments and Substantiation Committee (Member 2013–16; Member 2022–24; Chair 2025–).
- (2) University Animal Ethics Committee (Member 2020–21; Chair 2022–26).
- (3) University Committee on Research Practices (Member 2022–26).
- (4) Strategic Hiring Search and Appointment Committee "Biomedical Sciences & Translational Medicine" (Member 2023–).
- (5) Faculty Search and Appointment Committee (Member 2005–06; Chair 2013–15; Member 2015–16; Chair 2016–17; Chair 2020–21; Member 2022–24).
- (6) Substantiation and Promotion Committee (Member 2010–11; Member 2017–18; Chair 2018–20; Member 2020–2021; Chair 2022–24).
- (7) Executive, Resource and Planning Committee (Member 2012–15; Member 2018–21; Member 2022–).
- (8) Merit Salary Review Committee (Member 2010–11; Chair 2017–18; Member 2018–19; Chair 2019–21; Member 2022–24).
- (9) Search Committee for the Head of the Division of Life Science (Member 2010; Member 2017–18; Member 2024).
- (10) 30 for 30 Research Initiative Scheme panel (Chair 2023).
- (11) International Research Enrichment (IRE) Division Coordinator (2022–23).
- (12) University Senate Committee on Teaching and Learning Quality (Member 2020–23).
- (13) Task Force for Review of Student Feedback Questionnaire (SFQ) for Teaching Assistants and Teaching Support Staff, Senate Committee on Teaching and Learning Quality (Chair 2021).
- (14) Critical incident coordinator (2017–21).
- (15) University Committee on Appointments of University Professor and Chair Professor (Member 2017–19).
- (16) RAE2020 Working group (Member 2017–19).
- (17) Human Participants Research Panel (Member 2017–19).
- (18) Postgraduate committee (Member 2001–06; Member 2011–12).
- (19) Lab Management Committee (Chair 2001–03; Member 2003–06; Chair 2007–11; Chair 2011-13; Member 2013–15).
- (20) Center for Cancer Research (Director 2009–18).
- (21) Director of the Biosciences Central Research Facility (Director 2009–18).
- (22) School Research Committee (Member 2004–06).
- (23) University Peer Review Panel (Member 2004–05).

- (24) Academic Review Committee (Member 2003–05; Chair 2005–11).
- (25) Departmental Safety Officer (2001–2006).

Grants

GRF (PI:16; co-I:3); CRF (PI/co-PI:5; co-I:5); AOE (co-PI:1; co-I:1); TRS (co-PI:1; co-I:1); ITF (PI:1; co-I:2);
NSFC-RGC (PI:1)