

**NEW ZEALAND
BREAST CANCER SYMPOSIUM**



United for a Cure Through Research

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Current Accepted Abstracts

Abstract ID	Details
17005	<p>The synergism of somatostatin, melatonin, retinoids, vitamins E, D3, and C, prolactin and estrogen inhibitors, and metronomic microdoses of cyclophosphamide (Di Bella Method) increased survival, objective response and performance status in retrospective observational clinical study on 297 cases of breast cancer</p> <p>Giuseppe Di Bella¹, Biagio Colori², Rosilde Toscano¹ ¹Di Bella Foundation, Via Guglielmo Marconi 51, 40122 Bologna, Italy; and ²Rizzoli Scientific Research and Care Institute, Via Giulio Cesare Pupilli, 40136 Bologna, Italy</p>
17007	<p>Untethering the genome - Loss of HP1α enhances malignant cell invasion</p> <p>Hale, T.K.¹, Solomon, R.¹, Bond, S.D.¹, Mehta, S.², Braithwaite, A.², Wheeler, D.³, Fitzsimons, H.L.¹ ¹Institute of Fundamental Sciences, Massey University, Palmerston North, New Zealand; ²Department of Pathology, University of Otago, Dunedin School of Medicine, New Zealand; and ³Nextgen Bioinformatic Services, Palmerston North, New Zealand</p>
17008	<p>The aptamer-guided siRNA therapy targeting breast cancer stem cells</p> <p>Tao Wang¹, Michael P. Gantier^{2,3}, Dongxi Xiang¹, Hadi Al Shamaileh¹, Sarah Shigdar¹, Wei Duan¹ ¹School of Medicine, Deakin University, 75 Pigdons Road, Waurn Ponds, Victoria, 3217, Australia; ²Centre for Cancer Research, Hudson Institute of Medical Research, Clayton, Victoria 3168, Australia; and ³Department of Molecular and Translational Science, Monash University, Clayton, Victoria 3168, Australia</p>
17014	<p>Gene expression profiling of breast tumours from New Zealand patients</p> <p>Anita Muthukaruppan^{1,*}, Annette Lasham^{2,*}, Cherie Blenkiron², Kathryn J. Woad³, Michael A. Black⁴, Nicholas Knowlton², Nicole McCarthy⁵, Michael P. Findlay^{6,8}, Cristin G. Print^{2,7,8,§}, Andrew N. Shelling^{1,8} ¹Department of Obstetrics and Gynaecology, The University of Auckland; ²Department of Molecular Medicine and Pathology, The University of Auckland; ³School of Veterinary Medicine and Science, The University of Nottingham, Loughborough, United Kingdom; ⁴Department of Biochemistry, University of Otago, Dunedin, New Zealand; ⁵ICON Cancer Care Wesley, Auchenflower, Australia; ⁶Discipline of Oncology, The University of Auckland; ⁷Maurice Wilkins Centre, The University of Auckland, Auckland, New Zealand; and ⁸The University of Auckland Bioinformatics Institute, Auckland, New Zealand *Joint first authors §Joint senior authors</p>

17019	<p>Development of PC-PLC small molecular inhibitors as anticancer therapeutics</p> <p>Euphemia Leung¹, Chatchakorn Eurtivong², Johannes Reynisson², David Barker², Bill Denny¹, Bruce Baguley¹</p> <p>¹University of Auckland, Auckland Cancer Society Research Centre, Auckland, New Zealand; and ²University of Auckland, School of Chemical Sciences, Auckland, New Zealand</p>
17020	<p>Development of predictive biomarker tests for the dose limiting side effects of capecitabine</p> <p>Nuala Helsby¹</p> <p>¹Molecular Medicine and Pathology, School of Medical Sciences, Faculty of Medical and Health Sciences, University of Auckland, Auckland, New Zealand</p>
17021	<p>A positive feedback loop of ER-α36/RUNX2 promotes development of ER-negative breast cancer</p> <p>Chao Qu¹, Jia Sun¹, Honyan Li¹, Yejun Zhang¹, Wei Zou¹</p> <p>¹College of Life Science, Liaoning Normal University, Dalian 116081, Liaoning, China</p>
17026	<p>A positive feedback loop of ER-α36/RUNX2 promotes development of ER-negative breast cancer</p> <p>Chao Qu¹, Jia Sun¹, Honyan Li¹, Yejun Zhang¹, Wei Zou¹</p> <p>¹College of Life Science, Liaoning Normal University, Dalian 116081, Liaoning, China</p>
17030	<p>DEAD-Box Helicase DDX20 regulates Wnt/β-catenin signalling in triple negative breast cancer stem-like cells</p> <p>Sebastian Pohl¹, Mark Agostino^{2,3}, Alan Prem Kumar^{4,5}, Arun. M. Dharmarajan¹</p> <p>¹Stem Cell and Cancer Biology Laboratory, School of Biomedical Sciences, Curtin Health Innovation Research Institute, Curtin University, Bentley, WA, Australia; ²School of Biomedical Sciences, CHIRI Biosciences and Curtin Institute for Computation, Curtin University, Perth WA 6102, Australia; ³Centre for Biomedical Research, Burnet Institute, Melbourne, VIC 3004, Australia; ⁴School of Biomedical Sciences, Curtin Health Innovation Research Institute, Curtin University, Bentley, WA, Australia; and ⁵Department of Pharmacology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore</p>
17033	<p>Evaluation of mtDNA alterations and BCL-2 promoter polymorphism in involvement of metastasis on Iranian breast cancer patients</p> <p>Elmira Sanjari¹, Massoud Houshmand^{1,2}</p>

	¹ Medical genetics department, National Institute of Genetic Engineering and Biotechnology, Tehran, Iran; and ² Genetic Dep. Special Medical Center, Tehran, Iran
17034	<p>FOXK2 aberration in breast cancers</p> <p>Hong Amy Zhang¹ ¹Department of Pathology, The University of Texas-MD Anderson Cancer Center, Houston, USA</p>
17035	<p>Integrative genomic and transcriptomic analysis for pinpointing recurrent alterations of plant homeodomain genes and their clinical significance in breast cancer</p> <p>Huimei Yu^{1,2}, Yuanyuan Jiang¹, Lanxin Liu¹, Wenqi Shan¹, Xiaofang Chu¹, Zhe Yang³, Zeng-Quan Yang^{1,4} ¹Department of Oncology, Wayne State University School of Medicine, Detroit, MI 48201, USA; ²College of Basic Medicine, Jilin University, Changchun, China; ³Department of Biochemistry and Molecular Biology, Wayne State University School of Medicine, Detroit, MI 48201, USA; ⁴Molecular Therapeutics Program, Barbara Ann Karmanos Cancer Institute, Detroit, MI 48201, USA</p>
17036	<p>The host immunological response to anti-cancer drugs: implications for personalized therapy</p> <p>Yuval Shaked¹ ¹Cell Biology and Cancer Science, Rappaport faculty of Medicine, Technion – Israel Institute of Technology, Haifa, Israel</p>
17037	<p>Population genetic testing for breast cancer susceptibility</p> <p>Ian Campbell¹, Simone Rowley¹, Na Li¹, Lisa. Devereux¹, Alison Trainer^{1,2}, Mary-Anne Young³, Paul. James^{1,2} ¹Research Division, Peter MacCallum Cancer Centre, Melbourne, Australia; ²Parkville Familial Cancer Centre, Melbourne, Australia; and ³Garvan Institute, Sydney, Australia</p>
17038	<p>Enhancing the quality of life of breast cancer patients with self-hypnosis</p> <p>Holly Forester-Miller¹ ¹Medical Hypnosis Consultants, PLLC, 3721-A University Dr., Durham, NC; Duke Cancer Institute, Duke University, Durham, NC, USA</p>
17039	<p>A systematic review of factors influencing women's choice of mastectomy versus breast conserving therapy in early stage breast cancer</p>

	<p>Jeffrey Gu^{1,2}, Gary Groot^{1,2}, Catherine Boden³, Angela Busch⁴, Lorraine Holtslander^{5,6}</p> <p>¹Department of General Surgery, University of Saskatchewan, Canada; ²Community Health and Epidemiology, University of Saskatchewan, Canada; ³Leslie and Irene Dubé Library, University of Saskatchewan, Canada; ⁴School of Physical Therapy, University of Saskatchewan, Canada; ⁵College of Nursing, University of Saskatchewan, Canada; and ⁶University of the Witwatersrand, South Africa</p>
17040	<p>Microwave-assisted synthesis and anticancer evaluation of N-(2-(5-(substituted propylene amino)-1,3,4-thiadiazol-2-yl)propan-2-yl)benzamide derivatives</p> <p>Anna Pratima Nikalje¹, Arpana Nade¹, Shailee Tiwari¹, Aniket Sarkate²</p> <p>¹Department of Pharmaceutical Chemistry, Y. B. Chavan College of Pharmacy, Aurangabad, Maharashtra, India; and ²University Department of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, India</p>
17041	<p>Is the standardized lumpectomy cavity shaving a representative sample for the remaining mammary gland? About 75 cases</p> <p>H. Bouzaiene¹, A. Triki¹, M. Ghalleb¹, M. Chemlali¹, Z. Benzarti¹, J. Ben Hassouna¹, A. Gammoudi², K. Rahal¹</p> <p>¹Surgical Oncology Department, Institute Salah Azeiz of Oncology, Tunis, Tunisia; and ²Anatomopathology Department, Institute Salah Azeiz of Oncology, Tunis, Tunisia</p>
17042	<p>The contribution of rare variants, polygenic risk, and novel candidate genes to the hereditary risk of breast cancer in a large cohort of Breast Cancer families</p> <p>Na Li¹, Simone Rowley¹, David Goode¹, Lisa Devereux¹, Simone McInerney², Norah Grewal², Amanda Lee¹, Alison Trainer², Michelle Brown³, Rodney Scott³, Kylie Gorringer¹, Paul James², Ian Campbell¹</p> <p>¹Research Division, Peter MacCallum Cancer Centre, Melbourne, Australia; ²Parkville Familial Cancer Centre, Peter MacCallum Cancer Centre, Melbourne, Australia; and ³Division of Genetics, Hunter Area Pathology Service, Newcastle, Australia</p>
17043	<p>A volumetric and dosimetric comparative study of the internal gross target volume defined using the seroma and surgical clips based on 4DCT scan after breast conserving surgery</p> <p>Rakesh Kapoor¹, Anil Gupta¹, Arun S Oinam¹, Gurpreet Singh²</p> <p>¹Department of Radiotherapy and Oncology, Post Graduate Institute of Medical education and Research, Chandigarh, India; and ²Department of Surgery, Post Graduate Institute of Medical education and Research, Chandigarh, India</p>

17044	<p>CCL18-recruited naïve CD4⁺ T cells are converted to tumour-infiltrating regulatory T cells in breast cancer and suppress anti-tumour immunity</p> <p>Shicheng Su¹, Jianyou Liao¹, Qiyi Zhao¹, Jiang Liu¹, Di Huang¹, Erwei Song¹ ¹Sun Yat-Sen University, Guangzhou, Guangdong 510120, China</p>
17045	<p>DEAD-Box RNA helicase DPI103 as a surrogate biomarker for docetaxel response in ERα⁺ mammary carcinoma</p> <p>Rohit Surana^{1,2}, Frances Fuller-Pace³, David Lane⁴, Soo Chin Lee^{1,5}, Alan Prem Kumar^{1,2}</p> <p>¹Cancer Science Institute of Singapore, National University of Singapore; ²Department of Pharmacology, Yong Loo Lin School of Medicine, National University of Singapore; ³Division of Cancer Research, University of Dundee, Ninewells Hospital & Medical School, Dundee, UK; ⁴p53 Laboratory, Biomedical Sciences Institutes, Agency for Science, Technology and Research (A*STAR), Singapore; and ⁵Department of Haematology-Oncology, National University Health System, Singapore</p>
17046	<p>Prospective surveillance of breast cancer-related lymphoedema results in earlier treatment and decreased disease severity</p> <p>Louise Koelmeyer¹, Robert Borotkanics², Jessica Alcorso³, Caleb J. Winch¹, Philip Prah², Kristine Nakhel¹, John Boyages¹</p> <p>¹Australian Lymphoedema Education, Research and Treatment Centre, Department of Clinical Medicine, Faculty of Health Sciences, Macquarie University, Sydney, Australia; and ²Department of Biostatistics and Epidemiology, Auckland University of Technology, Auckland, New Zealand; ³Centre for Emotional Health, Department of Psychology, Faculty of Human Sciences, Macquarie University, Sydney, Australia</p>
17047	<p>Exsanguinating hemorrhage during open biopsy in a primary breast angiosarcoma: a case report</p> <p>Majid Akrami¹, Mastoureh Mohammadipour², Maral Mokhtari²</p> <p>¹Breast Diseases Research Center, Department of Surgical Oncology, Shiraz University of Medical Sciences, Shiraz, Iran; ²Department of Surgery, Ziaei Hospital, Yazd, Iran; and ³Department of pathology, Nemazee Hospital, Shiraz University of Medical Sciences, Shiraz, Iran</p>
17048	<p>Targeting the WASF3 regulatory complex to suppress metastasis</p> <p>John K. Cowell¹, Yong Teng¹, Ali S. Arbab¹, Eileen J. Kennedy²</p>

	<p>¹The Georgia Cancer Center, Augusta, GA 30912, USA; and ²Department of Pharmaceutical and Biomedical Sciences, College of Pharmacy, University of Georgia, Athens, GA 30602, USA</p>
17049	<p>Interplay between mevalonate and Hippo pathways regulates DDX20 transcription via YAP-TEAD complex in invasive breast cancers</p> <p>Chao Wang^{1,2}, Patrick J. Casey³, Soo Chin Lee^{1,4}, Marius Sudol^{5,6}, Celestial T. Yap⁶, Alan Prem Kumar^{1,2,7,8}</p> <p>¹Cancer Science Institute of Singapore, National University of Singapore; ²Department of Pharmacology, Yong Loo Lin School of Medicine, National University of Singapore; ³Duke-NUS Graduate Medical School, Singapore; ⁴National University Cancer Institute of Singapore (NCIS), Singapore; ⁵Institute of Molecular and Cell Biology (IMCB), ASTAR, Singapore; ⁶Department of Physiology, Yong Loo Lin School of Medicine, National University of Singapore; ⁷Curtin Medical School, Faculty of Health Sciences, Curtin University, Perth WA, Australia; and ⁸Department of Biological Sciences, University of North Texas, Denton, TX, USA</p>
17050	<p>Effects of a smartphone application-based diet and exercise self-management program on cardiometabolic risk factors for breast cancer patients</p> <p>Hee-Seung Kim¹, Hye-Jin Kim¹</p> <p>¹ College of Nursing, the Catholic University of Korea, Seoul, Republic of Korea</p>
17051	<p>Robotic nipple sparing mastectomy for early breast cancer: a preliminary report of 12 cases</p> <p>Hung-Wen Lai^{1,2,3,4}, Shou-Tung Chen^{1,2,3}, Dar-Ren Chen^{1,2,3}, Shou-Jen Kuo^{2,3}</p> <p>¹Endoscopy & Oncoplastic Breast Surgery Center, ²Division of General Surgery, ³Comprehensive Breast Cancer Center, Department of Surgery, Changhua Christian Hospital, Changhua, Taiwan; and ⁴School of Medicine, National Yang Ming University, Taipei, Taiwan</p>
17052	<p>Annexin-A1 plays an important role in the breast tumour microenvironment by promoting alternative macrophage polarization and tumour growth</p> <p>Leonardo A. Moraes¹, Shreya Kar¹, Foo Sok Lin^{1,2}, Lina HK Lim^{1,2}</p> <p>¹Inflammation and Cancer Laboratory, Immunology Programme, Department of Physiology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; and ²NUS Graduate School for Integrative Sciences and Engineering, National University of Singapore, Singapore</p>
17053	<p>Differences of multifocal/multicentric cancer diagnostic methods</p> <p>Greta Letautaitė¹, Simona Rūta Letautienė^{1,2}, Rūta Briedienė^{1,2}</p> <p>¹Faculty of Medicine, Vilnius University; and ²National Cancer Institute, Lithuania</p>

17054	<p>HER2 testing in breast cancer; American Society of Clinical Oncology/College of American Pathologists 2017 focused update</p> <p>Michael Bilous¹ ¹Western Sydney University and Australian Clinical Labs, Sydney, Australia</p>
17055	<p>PTEN family in cancer and beyond</p> <p>Yuxin Yin¹ Institute of Systems Biomedicine, Department of Pathology, School of Basic Medical Sciences, Peking University Health Science Center, Beijing100191, China</p>
17056	<p>Biological and surgical characteristics of breast cancer in the elderly in South Korean</p> <p>Seonghoon Lee¹, Sang Uk Woo¹, Woo Young Kim¹, Jae Bok Lee¹ ¹Department of Surgery, Korea University, Seoul, Korea</p>
17057	<p>Newly diagnosed breast cancer patients and their need for psycho-oncological support over the course of breast cancer treatment</p> <p>Hannah Nakata¹, Sarah Halbach¹, Christoph Kowalski², Anna Enders³, Holger Pfaff³, Nicole Ernstmann¹ ¹ Center for Health Communication and Health Services Research (CHSR), Department of Psychosomatic Medicine and Psychotherapy, University Hospital Bonn, Germany; ² German Cancer Society (DKG), Berlin, Germany; and ³ Institute of Medical Sociology, Health Services Research, and Rehabilitation Science (IMVR) of the University of Cologne, Germany</p>
17058	<p>Rehabilitation, disease-related and socio-demographic factors of return to work in women with breast cancer: a German longitudinal cohort-study</p> <p>Christian Heuser¹, Sarah Halbach¹, Christoph Kowalski², Anna Enders³, Holger Pfaff⁴, Nicole Ernstmann¹ ¹Center for Health Communication and Health Services Research (CHSR), Department of Psychosomatic Medicine and Psychotherapy, University Hospital Bonn, Bonn, Germany; ²German Cancer Society e.V. (DKG), Berlin, Germany; ³The Federal Centre for Health Education (BZgA), Department of health promotion for vulnerable groups, Cologne, Germany; and ⁴Institute of Medical Sociology, Health Services Research, and Rehabilitation Science (IMVR), University of Cologne, Cologne, Germany</p>
17059	<p>Systematic review of multivariable prognostic indices for women with breast cancer</p> <p>Tung Minh Phung¹, Sandar Tin Tin¹, Mark Elwood¹ ¹School of Public Health, the University of Auckland, Auckland, New Zealand</p>

17060	<p>Role of Annexin A1 in macrophage polarization in the microenvironment of breast cancer</p> <p>Shreya Kar^{1,2}, Tuan Zea Tan², Ruby Yun-Ju Huang^{1,3}, Alan Prem Kumar^{1,2}, Lina H.K.Lim^{4,5}</p> <p>¹Cancer Science Institute of Singapore, National University of Singapore; ²Department of Pharmacology, Yong Loo Lin School of Medicine; ³Department of Obstetrics and Gynecology, National University Hospital, Singapore; ⁴Inflammation and Cancer Laboratory, Immunology Programme, Department of Physiology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; and ⁵NUS Graduate School for Integrative Sciences and Engineering, National University of Singapore, Singapore.</p>
17062	<p>Molecular mechanism of SAHA on regulation of autophagic cell death in tamoxifen-resistant MCF-7 breast cancer cells</p> <p>Ji Yeon Son¹, Ji Yeong Kim¹, Ji Soo Kim¹, Hyung Sik Kim¹</p> <p>¹School of Pharmacy, Sungkyunkwan University, Suwon 2206, South Korea</p>
17063	<p>Novel dual-mode nanobubbles as molecule-targeted contrast agents for the diagnosis and treatment of breast cancer</p> <p>Hengli Yang^{1,*}, Yamei Shen^{1,*}, Wei Lv¹, Li Zhang¹, Yunyou Duan¹</p> <p>¹Department of Ultrasound Diagnosis, Tangdu Hospital, Fourth Military Medical University, Xi'an, China</p> <p>*These authors contributed equally to this work.</p>
17064	<p>Evaluation the inter-fraction setup errors with electronic portal imaging and four-dimensional cone beam computed tomography in breast cancer patients</p> <p>Wen-Shan Liu^{1,2}, Min-Hsuan Tsai¹, Chia-Peng Pan¹</p> <p>¹Department of radiation oncology, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan; and ²School of Medicing, National Defence Medical Center, Taiwan</p>
17065	<p>Co-delivery of survivin and mucin-1 on virus-like particles for breast cancer immunotherapy</p> <p>Katrin Kramer¹, Braeden Donaldson^{1,2}, Vivienne L. Young², Greg F. Walker³, Sarah L. Young¹</p> <p>¹Department of Pathology, Dunedin School of Medicine, University of Otago, New Zealand; ²Department of Microbiology and Immunology, Otago School of Medical Science, University of Otago, New Zealand; and ³School of Pharmacy, University of Otago, New Zealand</p>

17066	<p>Smart nano-carrier for the treatment of breast carcinomas</p> <p>Anindita De¹, T Venkata Siddhartha¹, Gowthamrajan.K¹, M.V.S.S.T. SubbaRao²</p> <p>¹JSS College of Pharmacy, Ootacamund; and ²JSS Medical College, Mysuru, Jagadguru Sri Shivarathreeswara University, Mysuru, India</p>
17067	<p>Audit of grade 3 breast cancer in New Zealand women</p> <p>Sharita Meharry¹, Fabrice Merien², Reena Ramsaroop², Robert Borotkanicks^{2,3}</p> <p>¹School of Science, the Auckland University of Technology, Auckland, New Zealand; ²Department of Biostatistics and Epidemiology Auckland University of Technology; and ³Waitema District Health Board, North Shore Hospital, Auckland</p>
17068	<p>Nomogram predicting axillary lymph node metastases to skip intraoperative analysis of sentinel lymph nodes</p> <p>Jung Hyun Park¹, Young Wook Ju¹, Kyoung Eun Kim¹, Jiyoung Rhu¹, Yumi Kim¹, Eunshin Lee¹, Han-Byoel Lee^{1,2}, Hyeong-Gon Moon^{1,2}, Dong-Young Noh^{1,2}, Wonshik Han^{1,2}</p> <p>¹Department of Surgery, Seoul National University Hospital, Seoul; and ²Cancer Research Institute, Seoul National University College of Medicine, Seoul, Korea</p>
17069	<p>MIR20A-mediated autophagy defect contributes to mammary tumorigenesis by promoting genomic instability</p> <p>Lei Liu¹, Ying Tan^{1,2}, Chunyan Tan^{1,2}, Yaou Zhang^{1,2}, Naihan Xu^{1,2}</p> <p>¹Division of Life Science, Graduate School at Shenzhen, Tsinghua University, Shenzhen, China; and ²Open FIESTA center, Tsinghua University, Shenzhen, China.</p>
17070	<p>Targeting mitochondrial STAT3: development of a novel MitoTam for targeted therapy in triple negative breast cancer</p> <p>Madhu Mathi Kanchi¹, Karishma Sachaphibulkij^{2,3}, Lina HK Lim², Henrik J. Ditzel⁴, Jiri Neuzil³, Alan Prem Kumar^{1,2}</p> <p>¹Cancer Science Institute of Singapore, National University of Singapore; ²Department of Physiology, Yong Loo Lin School of Medicine, National University of Singapore; ³School of Medical Science, Griffith Health, Griffith University, Australia; and ⁴Department of Cancer and Inflammation Research, Institute of Molecular Medicine, University of Southern Denmark</p>
17071	<p>Comparison of Ki-67 index in core needle biopsies and matched surgical specimens in breast cancer</p>

	<p>Soomin Ahn¹, Junghye Lee¹, Sun Hee Sung¹ ¹Department of Pathology, Ewha Womans University School of Medicine, Seoul, Korea</p>
17072	<p>Indoleamine 2,3-dioxygenase 1 expression is strongly correlated with basal-like phenotype and increased lymphocytic infiltration in triple-negative breast cancer</p> <p>Sewha Kim¹, Junghye Lee¹, Sun Hee Sung¹ Department of Pathology, Ewha Womans University School of Medicine, Seoul, Korea</p>
17073	<p>Men with a 'women's disease': Stigmatization of male breast cancer patients</p> <p>Evamarie Midding¹, Sarah Halbach¹, Christoph Kowalski², Nicole Ernstmann¹ ¹Center for Health Communication and Health Services Research (CHSR). Department of Psychosomatic Medicine and Psychotherapy, University Hospital Bonn, Germany; ²German Cancer Society (DKG), Berlin, Germany</p>
17074	<p>Tumour markers as differential diagnostic tool in patients with suspicion of liver metastases at breast cancer patients</p> <p>Ondrej Topolcan¹, Ladislav Pecen^{1,2}, Radek Kucera¹, Vladimir Treska¹, Jindrich Finek¹ ¹Teaching Hospital and Medical Faculty in Pilsen, Charles University, Pilsen, Czech Republic; and ²Institute of Computer Sciences, Academy of Sciences, Prague, Czech Republic</p>
17075	<p>Using mathematical models implemented as CRACTES for early detection of disease recurrence based on tumor markers follow up at breast cancer patients</p> <p>Ladislav Pecen^{1,3}, Ondrej Topolcan¹, Radek Kucera¹, Jakub Novak², Marcel Jirina², Krystof Eben³ ¹Teaching Hospital and Medical Faculty in Pilsen, Charles University, Pilsen, Czech Republic; ²Department of Theoretical Informatics, Faculty of Information Technology, CTU, Prague, Czech Republic; and ³Institute of Computer Sciences, Academy of Sciences, Prague, Czech Republic</p>
17076	<p>Goldilocks mastectomy for breast cancer patients with mutations in BRCA genes</p> <p>Oliver Waddell¹, Emily Davenport¹ ¹Hawkes Bay Hospital, 398 Omaha Rd, Hastings 4120, New Zealand</p>
17077	<p>Use of CRISPR-mediated functional genomics to understand resistance to targeted therapies in HER2-positive breast cancer</p>

	<p>Aziza Khan¹, Kyla Siemens¹, Peter Tsai², Purvi Kakadiya², Amanda Dixon-McIver³, Daniel Ng³, Stefan Bohlander^{2,4}, Cristin Print^{2,4}, William Wilson^{1,4}, Vernon Harvey⁵, Francis Hunter^{1,4}</p> <p>¹Auckland Cancer Society Research Centre, University of Auckland, Auckland; ²Department of Molecular Medicine and Pathology, University of Auckland, Auckland; ³IGENZ, Auckland; ⁴Maurice Wilkins Centre for Molecular Biodiscovery, Auckland; and ⁵Department of Oncology, University of Auckland, Auckland, New Zealand</p>
17078	<p>The optimization and characterization of an RNA-cleaving fluorogenic DNzyme probe for MDA-MB-231 cells detection</p> <p>Pengcheng Xue¹, Shengnan He¹, Chunyan Tan^{1,2}, Ying Tan^{1,2}, Yuyang Jiang</p> <p>¹Division of Life Science, Graduate School at Shenzhen, Tsinghua University, Shenzhen, China; ²Open FIESTA center, Tsinghua University, Shenzhen, China.</p>
17079	<p>Development and characterization of core-shell nanoparticles for anticancer therapy</p> <p>Mantosh Kumar Singh¹, GNK Ganesh¹</p> <p>¹Department of Pharmaceutics, JSS College of Pharmacy, Ootacamund, JSS University, Mysuru, India</p>
17080	<p>Antiglycan antibodies in cancer diagnostics and treatment</p> <p>Nicolai Bovin^{1,2}</p> <p>¹Institute of Bioorganic Chemistry of Russian Academy of Sciences, Moscow, Russia; and ²Auckland University of Technology, Auckland, New Zealand</p>
17081	<p>Insights into the health care situation of men with breast cancer from the patients' perspectives</p> <p>Sarah Halbach¹, Evamarie Midding¹, Christoph Kowalski², Nicole Ernstmann¹</p> <p>¹Center for Health Communication and Health Services Research (CHSR), Department of Psychosomatic Medicine and Psychotherapy, University Hospital Bonn, Germany; and ²German Cancer Society (DKG), Berlin, Germany</p>
17082	<p>Development of the novel hypoxia-selective cytotoxin CP-506</p> <p>Maria Abbattista^{1,2}, Chris Guise^{1,2}, Alex Mowday^{1,2}, Amir Ashoorzadeh^{1,2}, Matthew Bull^{1,2}, Shevan Silva^{1,2}, Robert Anderson^{1,2}, Kevin Hicks^{1,2}, Jan Theys³, Ludwig Dubois³, Philippe Lambin³, Jeff Smaill^{1,2}, Adam Patterson^{1,2}</p> <p>¹Translational Therapeutics Team, Auckland Cancer Society Research Centre, School of Medical Sciences, University of Auckland, Auckland 1023, New Zealand; ²Maurice Wilkins Centre for Molecular Biodiscovery, School of Biological Sciences, University of Auckland, Auckland 1023, New Zealand; and ³MAASTRO, GROW, MUMC, Maastricht, the Netherlands</p>

17083	<p>Discovery of new therapy targets in HER2-enhanced breast cancer (HEBC) using transposon mutagenesis screen</p> <p>Jian Zhong Tang¹, David Goode², Mark Shackleton³, Robin Anderson¹</p> <p>¹Olivia Newton-John Cancer Research Institute, Heidelberg Vic 3084, Australia; ²Peter MacCallum Cancer Centre, Parkville Vic 3000, Australia; and ³Alfred Health Monash University, Melbourne Vic 3004, Australia</p>
17085	<p>Comparison of outcome of young (<50 years) versus older (>50 years) women with locally advanced breast cancers (LABC) with neoadjuvant chemotherapy (NACT) followed by loco-regional therapy</p> <p>Sushma Agrawal¹, Punita Lal¹, Gaurav Agarwal², Anjali Mishra², Amit Agarwal², Vinita Agarwal³, S.K.Mishra²</p> <p>¹Department of Radiotherapy, ²Department of Endocrine Surgery, and ³Department of Pathology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India</p>
17086	<p>Over expression of GLI1 is a poor predictor of distant metastasis in aggressive molecular subtypes of breast cancer</p> <p>Syeda Kiran Riaz¹, Fen Wang², Lin Ye³, Wen G Jiang³, Mahmood Akhtar Kayani¹, Muhammad Faraz A. Malik¹</p> <p>¹Department of Biosciences, COMSATS Institute of Information Technology, Islamabad, Pakistan; ²Center for Cancer and Stem Cell Biology, Institute of Biosciences and Technology, Texas A&M Health Science Center, Houston, USA; and ³School of Medicine, Cardiff University, Cardiff, United Kingdom</p>
17087	<p>TIP60 inhibits breast cancer metastasis: a HAT with many tricks</p> <p>Sudhakar Jha^{1,2}</p> <p>¹Cancer Science Institute of Singapore; and ²Department of Biochemistry, Yong Lee Loo School of Medicine, National University of Singapore, Singapore</p>
17088	<p>The characteristics and management of outcomes in older women with breast cancer in New Zealand</p> <p>Tania Blackmore¹, Ross Lawrenson¹, Chunhuan Lao¹, Melissa Edwards², Marion Kuper-Hommel³, Mark Elwood⁴, Ian Campbell²</p> <p>¹University of Waikato, Hamilton, New Zealand; ²School of Medicine, University of Auckland, Auckland, New Zealand; ³Waikato District Health Board, Hamilton, New Zealand; and ⁴School of Population Health, University of Auckland, Auckland, New Zealand</p>
17089	<p>Factors influencing use of immediate breast reconstruction following mastectomy in Auckland and the Waikato</p>

	<p>Ian Campbell¹, Lou Hayes², Chunhuan Lao³, Tania Blackmore³, Melissa Edwards¹, Alex Ng⁴, Ross Lawrenson³</p> <p>¹School of Medicine, University of Auckland, Auckland, New Zealand; ²Waikato District Health Board, Hamilton, New Zealand; ³University of Waikato, Hamilton, New Zealand; Auckland City Hospital, Auckland, New Zealand</p>
17090	<p>The use of trastuzumab in New Zealand women with breast cancer</p> <p>Ross Lawrenson¹, Chunhuan Lao¹, Ian Campbell², Vernon Harvey³, Charis Brown¹, Sanjeeva Seneviratne⁴, Melissa Edwards², Mark Elwood⁵, Marion Kuper-Hommel⁶</p> <p>¹University of Waikato, Hamilton, New Zealand; ²School of Medicine, University of Auckland, Auckland, New Zealand; ³Regional Cancer and Blood Centre, Auckland City Hospital, Auckland, New Zealand; ⁴Faculty of Medicine, University of Colombo, Sri Lanka; ⁵School of Population Health, University of Auckland, Auckland, New Zealand; and ⁶Waikato District Health Board, Hamilton, New Zealand</p>
17091	<p>Treatment and survival disparities by ethnicity in New Zealand women with stage I-III breast cancer tumour subtypes</p> <p>Ross Lawrenson¹, Chunhuan Lao¹, Ian Campbell², Vernon Harvey³, Sanjeeva Seneviratne⁴, Melissa Edwards², Mark Elwood⁵, Nina Scott⁶, Jacquie Kidd⁷, Diana Sarfati⁸, Marion Kuper-Hommel⁶</p> <p>¹University of Waikato, Hamilton, New Zealand; ²School of Medicine, University of Auckland, Auckland, New Zealand; ³Regional Cancer and Blood Centre, Auckland City Hospital, Auckland, New Zealand; ⁴Faculty of Medicine, University of Colombo, Sri Lanka; ⁵School of Population Health, University of Auckland, Auckland, New Zealand; ⁶Waikato District Health Board, Hamilton, New Zealand; ⁷School of Nursing, University of Auckland, Auckland, New Zealand; and ⁸Department of Public Health, University of Otago, Wellington, New Zealand</p>
17092	<p>The influence of comorbidity on guideline concordant surgical treatment for primary breast cancer</p> <p>Melissa J. Edwards¹, Ian D. Campbell¹, Ross A. Lawrenson²</p> <p>¹Department of surgery, Waikato Clinical School, University of Auckland, Hamilton; ²National Institute of Demographic and Economic Analysis, University of Waikato, Hamilton, New Zealand</p>
17093	<p>The short term results of sentinel node biopsy with methylene blue dye alone technique in breast cancer</p> <p>Bayu Brahma¹, Rizky I. Putri², Lenny Sari², Ramadhan Karsono¹, Samuel J. Haryono¹</p> <p>¹Departement of Surgical Oncology, Dharmais Cancer Hospital, Jakarta, Indonesia; ²Departement of Anatomical Pathology, Dharmais Cancer Hospital, Jakarta, Indonesia</p>

17094	<p>Hemodynamic shear stress stimulates migration and extravasation of tumor cells by elevating cellular oxidative stress</p> <p>Kathy Qian Luo¹ and Shijun Ma²</p> <p>¹Faculty of Health Sciences, University of Macau, Macau, China; and ²School of Chemical and Biomedical Engineering, Nanyang Technological University, Singapore</p>
17095	<p>Improving diagnosis and treatment of breast cancer using automated biomechanics</p> <p>Thiranjha Babarenda Gamage¹, Duane Malcolm¹, Anthony Doyle², Poul Nielsen^{1,3}, Martyn Nash^{1,3}</p> <p>¹Auckland Bioengineering Institute, University of Auckland, Auckland; ²Department of Anatomy and Medical Imaging, Faculty of Medical and Health Sciences, University of Auckland, Auckland; and ³Department of Engineering Science, University of Auckland, Auckland, New Zealand</p>

