

# SINO-DANISH BREAST CANCER RESEARCH CENTRE, KU-LIFE

## Full list of publications 2009

(Number), Year, Author, Title, Place of publication, page number(s)			
No.	Year	Author, Title, Place of publication, page number(s)	PR/ CO
1	2009	Schrohl A, Look MP, Meijer-van Gelder ME, Foekens JA, Brünner N: Tumor tissue levels of Tissue Inhibitor of Metalloproteinases-1 (TIMP-1) and outcome following adjuvant chemotherapy in premenopausal lymph node-positive breast cancer patients. <i>BMC Cancer</i> , 9(1): 322, 2009	PR/ CO
2	2009	Li, Jian ; Gao, Fei ; Li, Ning ; Li, Shengting ; Yin, Guangliang ; Tian, Geng ; Jia, Shangang ; Wang, Kai ; Zhang, Xiuqing ; Yang, Huanming ; Nielsen, Anders Lade ; Bolund, Lars. An improved method for genome wide DNA methylation profiling correlated to transcription and genomic instability in two breast cancer cell lines. / <i>BMC Genomics</i> . 2009 ; vol. 10, England. s. 223	PR/ CO
3	2009	Wang, Kai ; Li, Jian ; Li, Shengting ; Bolund, Lars ; Wiuf, Carsten.: Estimation of tumor heterogeneity using CGH array data. In: <i>BMC Bioinformatics</i> . 2009 ; vol. 10, nr. 1, Jan 9. p. 12	PR/ CO
4	2009	Duffy MJ, Napieralski R, Martens JW, Span PN, Spyrtos F, Sweep FC, Brünner N, Foekens JA, Schmitt M; on behalf of the EORTC PathoBiology Group. Methylated genes as new cancer biomarkers. <i>Eur J Cancer</i> . 2009, 3: 335-346	PR/ CO
5	2009	Gro Willemoe, Pernille Bræmer Hertel, Annette Bartels, Maj-Britt Jensen, Eva Balslev, Henning Mouridsen, Bent Ejlersen and Nils Brünner. Lack of TIMP-1 tumor cell immunoreactivity predicts effect of adjuvant anthracycline based chemotherapy in patients (n=647) with primary breast cancer. A Danish Breast Cancer Cooperative Group Study. <i>Eur J Cancer</i> , 2009, 45: 2528-2536	PR/ CO
6	2009	Györfy B, Molnar B, Lage H, Szallasi Z, Eklund AC. Evaluation of microarray preprocessing algorithms based on concordance with RT-PCR in clinical samples. <i>PLoS One</i> . 2009 May 21;4(5):e5645	PR/ CO
7	2009	Lin, Lin ; Kragh, Peter M ; Purup, Stig ; Kuwayama, Masashige ; Du, Yutao ; Zhang, Xiuqing ; Yang, Huanming ; Bolund, Lars ; Callesen, Henrik ; Vajta, Gábor. I: Osmotic stress induced by sodium chloride, sucrose or trehalose improves cryotolerance and developmental competence of porcine oocytes. / <i>Reproduction, Fertility and Development</i> . 2009 ; vol. 21, nr. 2, Australia. s. 338-44	PR/ CO
8	2009	Marie Klintman, Sidse Ørnberg Würtz, Ib Jarle Christensen, Pernille Bræmer Hertel, Márten Fernö, Martin Malmberg, Henning Mouridsen, Frederik Cold, Anne-Sofie Schrohl, John A Foekens, Per Malmström, Nils Brünner. Association between tumor tissue TIMP-1 levels and objective response to first-line chemotherapy in metastatic breast cancer. <i>Breast Cancer Res and Treatment</i> , 2009	PR/ CO
9	2009	Schrötzlmair F, Kopitz C, Halbgewachs B, Lu F, Algül H, Brünner N, Gänsbacher B, Krüger A. Tissue Inhibitor of metalloproteinases-1-induced	PR/ CO

		scattered liver metastasis is mediated by host-derived urokinase- type plasminogen activator., <i>J Cell Mol Med</i> 2009, 23	
10	2009	Li, J ; Villemoes, K ; Zhang, Y ; Du, Y ; Kragh, P M ; Purup, S ; Xue, Q ; Pedersen, A M ; Jørgensen, Arne Lund ; Jakobsen, Jannik ; Bolund, L ; Yang, H ; Vajta, G. I: Efficiency of two enucleation methods connected to handmade cloning to produce transgenic porcine embryos <i>Reproduction in Domestic Animals</i> . 2009 ; vol. 44, nr. 1, Feb. Germany. s. 122-7	PR/ CO
11	2009	Lin, Lin ; Du, Yutao ; Liu, Ying ; Kragh, Peter M ; Li, Juan ; Purup, Stig ; Kuwayama, Masashige ; Zhang, Xiuqing ; Yang, Huanming ; Bolund, Lars ; Vajta, Gábor.: Elevated NaCl concentration improves cryotolerance and developmental competence of porcine oocytes. In: <i>Reproductive BioMedicine Online</i> . 2009 ; vol. 18, nr. 3, 2009-Mar. England. s. 360-6	PR/ CO
12	2009	Li, Jian ; Wang, Kai ; Li, Shengting ; Timmermans-Wielenga, Vera ; Rank, Fritz ; Wiuf, Carsten ; Zhang, Xiuqing ; Yang, Huanming ; Bolund, Lars. DNA copy number aberrations in breast cancer by array comparative genomic hybridization. / In: <i>Genomics Proteomics &amp; Bioinformatics</i> . 2009 ; vol. 7, no. 1-2, 2009-Jun. China. p. 13-24	PR/ CO
13	2009	Ditzel H.J. Affinity isolation of antigen-specific circulating B cells for generation of phage display-derived human monoclonal antibodies. <i>Methods Mol Biol</i> . 562:37-43, 2009	PR
14	2009	Rasmussen N., H. J. Ditzel. Identification of the specificity of isolated phage display single chain antibodies using yeast two-hybrid screens. <i>Methods Mol Biol</i> . 562:165-176, 2009	PR
15	2009	Gjerstorff M.F., J.S. Burns, O. Nielsen, M. Kassem, and H. J. Ditzel. Epigenetic modulation of cancer-germline antigen gene expression in tumorigenic human mesenchymal stem cells: implications for cancer therapy. <i>Am. J. Pathol</i> . 175:314-323, 2009	PR
16	2009	Leth-Larsen R., R. Lund, H.V. Hansen, A. V. Lænkholm, O.N. Jensen, D. Tarin, and H.J. Ditzel Metastasis-related plasma membrane proteins of human breast cancer cells identified by comparative quantitative mass spectrometry. <i>Mol Cell Proteomics</i> , 8:1436-1449, 20	PR
17	2009	Lund R., R. Leth-Larsen, O.N. Jensen and H.J. Ditzel. Efficient isolation and quantitative proteomic analysis of cancer cell plasma membrane proteins for identification of metastasis-associated cell surface markers. <i>J. Proteome Res.</i> , 8:3078-3090, 2009	PR
18	2009	Goldhirsch A, Ingle JN, Gelber RD, Coates AS, Thürlimann B, Senn HJ; Panel members. Thresholds for therapies: highlights of the St Gallen International Expert Consensus on the primary therapy of early breast cancer 2009. <i>Ann Oncol</i> . 2009 Aug.;20(8):1319-29.	PR/ CO
19	2009	Giobbie-Hurder A, Price KN, Gelber RD; International Breast Cancer Study Group; Design, conduct, and analyses of Breast International Group (BIG) 1-98: a randomized, double-blind, phase-III study comparing letrozole and tamoxifen as adjuvant endocrine therapy for postmenopausal women with receptor-positive, early breast cancer. BIG 1-98 Collaborative Group., <i>Clin Trials</i> . 2009 Jun;6(3):272-87.	PR/ CO
20	2009	Kragh, Peter M ; Nielsen, Anders Lade ; Li, Juan ; Du, Yutao ; Lin, Lin ; Schmidt, Mette ; Bøgh, Ingrid Brück ; Holm, Ida E ; Jakobsen, Jannik E ; Johansen, Marianne G ; Purup, Stig ; Bolund, Lars ; Vajta, Gábor ; Jørgensen, Arne Lund: Hemizygous minipigs produced by random gene insertion and handmade cloning express the Alzheimer's disease-causing	PR/ CO

		dominant mutation APPsw. In: <i>Transgenic Research</i> . 2009 ; vol. 18, no. 4, 2009-Aug. Netherlands. p. 545-58	
21	2009	Rasmussen N., H. J. Ditzel. Scanning the cell surface proteome of cancer cells and identification of metastasis-associated proteins using a subtractive immunization strategy. <i>J Proteome Res</i> . 8:5048-5059, 2009	PR
22	2009	Harboe TL, Eiberg H, Kern P, Ejlersen B, Ne. <i>Fam Cancer</i> 2009;8(4):413-9.dergaard L, Timmermans-Wielenga V et al. A high frequent BRCA1 founder mutation identified in the Greenlandic population	PR
23	2009	Henriksen KL, Rasmussen BB, Lykkesfeldt AE, Moller S, Ejlersen B, Mouridsen HT. An ER activity profile including ER, PR, Bcl-2 and IGF-IR may have potential as selection criterion for letrozole or tamoxifen treatment of patients with advanced breast cancer. <i>Acta Oncol</i> 2009;48(4):522-31	PR/ CO
24	2009	Hansen TO, Jonson L, Albrechtsen A, Andersen MK, Ejlersen B, Nielsen 24FC. Large BRCA1 and BRCA2 genomic rearrangements in Danish high risk breast-ovarian cancer families. <i>Breast Cancer Res Treat</i> 2009;115(2):315-23	PR/ CO
25	2009	Hansen TV, Ejlersen B, Albrechtsen A, Bergsten E, Bjerregaard P, Hansen Tet al. A common Greenlandic Inuit BRCA1 RING domain founder mutation. <i>Breast Cancer Res Treat</i> 2009;115(1):69-76.	PR/ CO
26	2009	Mouridsen H, Giobbie-Hurder A, Goldhirsch A, Thürlimann B, Paridaens R, Smith I, Mauriac L, Forbes JF, Price KN, Regan MM, Gelber RD, Coates AS. Letrozole therapy alone or in sequence with tamoxifen in women with breast cancer. BIG 1-98 Collaborative Group, <i>N Engl J Med</i> . 2009 Aug 20;361(8):766-76	PR/ CO
27	2009	Lykkesfeldt AE, Henriksen KL, Rasmussen BB, Sasano H, Evans DB, Moller S et al. In situ aromatase expression in primary tumor is associated with estrogen receptor expression but is not predictive of response to endocrine therapy in advanced breast cancer. <i>BMC Cancer</i> 2009;9:185	PR/ CO
28	2009	Rabaglio M, Sun Z, Price KN, Castiglione-Gertsch M, Hawle H, Thürlimann B, Mouridsen H, Campone M, Forbes JF, Paridaens RJ, Colleoni M, Pienkowski T, Nogaret JM, Láng I, Smith I, Gelber RD, Goldhirsch A, Coates AS; Bone fractures among postmenopausal patients with endocrine-responsive early breast cancer treated with 5 years of letrozole or tamoxifen in the BIG 1-98 trial. BIG 1-98 Collaborative and International Breast Cancer Study Groups. <i>Ann Oncol</i> . 2009 Sep;20(9):1489-98.	PR/ CO
29	2009	Ejlersen B, Jensen MB, Rank F, Rasmussen BB, Christiansen P, Kroman N et al. Population-based study of peritumoral lymphovascular invasion and outcome among patients with operable breast cancer. <i>J Natl Cancer Inst</i> 2009;101(10):729-35	PR/ CO
30	2009	Schierup, Mikkel Heide ; Mailund, Thomas ; Li, Heng ; Wang, Jun ; Tjønneland, Anne ; Vogel, Ulla ; Bolund, Lars ; Nexø, Bjørn Andersen. Haplotype frequencies in a sub-region of chromosome 19q13.3, related to risk and prognosis of cancer, differ dramatically between ethnic groups. In: <i>BMC Medical Genetics</i> . 2009 ; vol. 10	PR/ CO
31	2009	Li, R., Li, Y., Fang, X., Yang, H, Wang, J., Kristiansen, K. & Wang, J. (2009). SNP detection for massively parallel whole-genome resequencing. <i>Genome Res</i> . 2009;19, 1124-1132	PR/ CO
32	2009	Li, R., Yu, C., Li, Y., Lam, T.W., Yiu, S.M., Kristiansen, K. & Wang, J. (2009). SOAP2: an improved ultrafast tool for short read alignment. <i>Bioinformatics</i> 2009;25, 1966-1967.	PR/ CO

33	2009	Li, R., Zhu, H., Ruan, J, Kristiansen, K. J. Wang. (2009). De novo assembly of the human genomes with massively parallel short read sequencing. <i>Genome Res.</i> 2009:20, ePub ahead of print	PR/ CO
34	2009	Li, R., Fan, W., Tian, G. Kristiansen, K., Wang, J. (2009). The complete genome sequence of the giant panda. <i>Nature</i> , 2009, ePub ahead of print	PR/ CO
35	2009	Swanton C, Nicke B, Schuett M, Eklund AC, Ng C, Li QY, Hardcastle T, Lee A, Roy R, East P, Kschischo M, Endesfelder D, Wylie P, Kim SN, Chen JG, Howell M, Ried T, Habermann JK, Auer G, Brenton JD, Szallasi Z, Downward J., Chromosomal instability determines taxane response. <i>PNAS</i> 2009, 106, 8671-8676	PR/ CO
36	2009	Eklund AC, Qiyuan L, Juul N, Richardson AL, Szallasi Z., Identification of robust, clinically relevant phenotypes of breast cancer from genome scale molecular profiling, <i>Cancer Research</i> 2009, 69, 167S-167S	PR/ CO
37	2009	Lee AJX, East P, Pepper S, Nicke B, Szallasi Z, Eklund AC, Downward J, Swanton C. Concordance of exon array and real-time PCR assessment of gene expression following cancer cell cytotoxic drug exposure. <i>Cell cycle</i> 2009, 7, 3947-3948	PR/ CO
38	2009	Nielsen KV, Muller S, Moller S, Schonau A, Balslev E, Knoop AS, Ejlersen B, Aberrations of ERBB2 and TOP2A Genes in Breast Cancer. <i>Mol Oncol</i> 2009, online	PR/ CO
39	2009	Bent Ejlersen, Maj-Britt Jensen, Kirsten V. Nielsen, Eva Balslev, Birgitte B. Rasmussen, Gro Willemoe, Pernille B. Hertel, Ann S. Knoop, Henning T. Mouridsen, Nils Brünner for the Danish Breast Cancer Cooperative Group. HER2, TOP2A and TIMP-1 and Responsiveness to Adjuvant Anthracycline Containing Chemotherapy in High Risk Breast Cancer Patients. <i>Journal of Clinical Oncology</i> , Dec 2009	PR/ CO
40	2009	Eklund AC, Friis P, Wernersson R, Szallasi Z. Optimization of the BLASTN substitution matrix for prediction of non-specific DNA microarray hybridization. <i>Nucleic Acids Res.</i> 2009 Dec 6. [Epub ahead of print]	PR/ CO
41	2009	Györfy B, Lanczky A, Eklund AC, Denkert C, Budczies J, Li Q, Szallasi Z. An online survival analysis tool to rapidly assess the effect of 22,277 genes on breast cancer prognosis using microarray data of 1,809 patients. <i>Breast Cancer Res Treat.</i> 2009 Dec 18. [Epub ahead of print]	PR/ CO
42	2009	Rosendahl M, Ahlgren J, Andersen J, Bergh J, Blomquist C, Lidbrink E, Lindman H, Mouridsen H, Bjerre K, Andersson M. The risk of amenorrhoea after adjuvant chemotherapy for early stage breast cancer is related to inter-individual variations in chemotherapy-induced leukocyte nadir in young patients: data from the randomised SBG 2000-1 study. <i>Eur J Cancer.</i> 2009 Dec;45(18):3198-204. Epub 2009	PR/ CO
43	2009	Li R, Li Y, Zheng H, Luo R, Zhu H, Li Q, Qian W, Ren Y, Tian G, Li J, Zhou G, Zhu X, Wu H, Qin J, Jin X, Li D, Cao H, Hu X, Blanche H, Cann H, Zhang X, Li S, Bolund L, Kristiansen K, Yang H, Wang J, Wang J. Building the sequence map of the human pan-genome <i>Nat Biotechnol.</i> Epub 2009 Dec 7	PR/ CO

## List of posters and abstracts

2009

### Posters

**Proinflammatory Cytokines Inhibit TIMP-1 Expression but Induces PAI-1 and CD63 Expression in INS-1 Cells.** / Hansen, Jakob Bondo, Brünner, Nils; Mandrup-Poulsen, Thomas. 2009. Vienna, Austria  
Research: Poster

**High expression levels of miR-21 identified by in situ hybridization in stage II colon cancer predict short disease-free survival.**

Nielsen BS, Jørgensen S, Fog J, Christensen IJ, Christiansen HS, Hansen U, Brunner N, Baker A, Møller S and Nielsen HJ, American Association for Cancer Research, Colorado, USA, 18-22 April 2009.

**TIMP-1 protects the human breast carcinoma cell line MCF-7 S1 against antracycline -induced cell death by activation of the Akt survival pathway.** / Würtz, Sidse Ørnbjerg ; Rasmussen, Anne-Sofie Schrohl ; Fogh, Louise ; Rømer, Maria Unni Koefoed ; Fichtner, Iduna ; Brunner, Nils ; Lademann, Ulrik Axel. 2009. Conference: Dansk Selskab For Cancerforskning, Annual Meeting 2009, Ordrup, Denmark, 7. May 2009 – 7 May 2009.

Research: Poster

**Tumor tissue levels of tissue inhibitor of metalloproteinases-1 (TIMP-1) and outcome following adjuvant chemotherapy in premenopausal lymph node-positive breast cancer patients.** / Rasmussen, Anne-Sofie Schrohl ; Look, Maxime P. Meijer-van Gelder, Marion E. ; Foekens, John A. ; Brunner, Nils. 2009. Dansk Selskab for Cancerforskning, Annual Meeting 2009, Denmark, 7. May 2009.

Research: Poster

**Egr-1 expression is associated with disease progression in human bladder cancer**

Egerod F L, Dyrskjøt L, Fristrup N, Brünner N, Oleksiewicz M B

Cell and Antibody Analysis,

Dansk Selskab for Cancerforskning, Annual Meeting, 7 May 2009

Research: Poster

**High expression levels of miR-21 identified by *in situ* hybridization in stage II colon cancer predict short disease-free survival**/Nielsen BS, Jørgensen S, Fog J, Christensen IJ, Christensen HS, Hansen U, Brünner N, Baker A, Møller S, Nielsen HJ, Dansk Selskab for Cancerforskning, Annual Meeting, 7 May 2009

Research: Poster

**From Snapshot to Process in General Pathobiology.** / Rømer, Maria Unni Koefoed. 2009. Conference: University Science Teaching and Learning, Copenhagen, Denmark, 28 August 2009 - 28 August 2009.

	<p><b>The prognostic value of tissue inhibitor of metalloproteinases-1 (TIMP-1) in metastatic colorectal cancer treated with third-line cetuximab-irinotecan</b> K. Spindler, H.J. Nielsen, N. Brünner, A. Jacobsen, Joint ECCO 15-34<sup>th</sup> ESMO Multidisciplinary Congress, Berlin, 20-24 September 2009, P-6118.</p> <p><b>TIMP-1 Status Measured by Immunohistochemistry in 268 ER Positive Postmenopausal High-Risk Breast Cancer Patients Treated with Adjuvant Tamoxifen: Association to Recurrence Free Survival</b> /Bjerre C, Knoop A, Lyng M, Ditzel H, Brünner N, Bartels A, Laenkholm A-V., CTRC-AACR San Antonio Breast Cancer Symposium, Dec. 9-13, 2009 Cancer Research 2009; 69(Suppl.):(24), 600s.</p> <p><b>Effect of TIMP-1 Overexpression on Endocrine Sensitivity of MCF-7 ER Positive Human Breast Cancer Cells In Vitro</b>/Bjerre C, Vinther L, Stenvang J, Würtz SØ, Brünner N. CTRC-AACR San Antonio Breast Cancer Symposium, Dec. 9-13, 2009; Cancer Research 2009; 69(Suppl.):(24), 601s.</p>
2009	<p><b>Abstracts</b></p> <p><b>TIMP-1 as a cancer biomarker: Results of 10 years of translational research/</b> Nils Brünner, EORTC-EGAM Meeting, Brussels, Belgium, 16-19 March, 2009</p> <p><b>Towards individualized adjuvant chemotherapy in high risk breast cancer patients</b> / Hertel P1,2, Ejlersen B2, Jensen M2, Nielsen KV3, Balslev E4, Rasmussen BB4, Willemoie GL2, Knoop A5, Mouridsen H2, Brünner N1; 1 Det Biovidenskabelige Fakultet, Inst. For Veterinær Sygdomsbiologi, Københavns Universitet, Ridebanevej 9, 2870 Frederiksberg C; 2Onkologisk Klinik, Rigshospitalet, Blegdamsvej 9, 2100 København Ø; 3Dako A/S, Produktionsvej 42, 2600 Glostrup; 4Patologiafdelingen, Herlev Hospital, Herlev Ringvej 75, 2730 Herlev; Patologiafdelingen, Blegdamsvej 9, 2100 København Ø; Onkologisk Afd. R, Odense Uiversitetshospital, Sdr. Boulevard 29, 5000 Odense C. Dansk Selskab for Cancerforskning, Annual Meeting, May 2009</p> <p><b>Protein biomarkers for colorectal cancer screening, prognostic stratification and prediction of therapy response.</b> Nils Brünner on behalf of the Danish Endoscopy Study Group on Colorectal Cancer Detection, the Danish-Swedish Colorectal Cancer Collaborative Group and The Danish Colorectal Cancer Cooperative Group. German Cancer Society, Bonn, Germany, 6-7 May 2009.</p>

**Contributions to scientific books/chapters**

2009 (PR)	<b>GAGE proteins</b> , Ditzel H. J., M. F. Gjerstorff. In <i>Encyclopedia of Cancer</i> , 2nd Edition, Ed. Manfred Schwab, Springer, 2009
2009 (PR)	<b>TIMP-1 as a prognostic marker in colorectal cancer : chapter 33.</b> / Frederiksen, Camilla ; Lomholt, Anne Fog ; Nielsen, Hans Jørgen ; Brunner, Nils. I: <i>The Cancer Degradome : Proteases and Cancer Biology.</i> / red. D. Edwards ; G. Hoyer-Hansen ; F. Blasi ; B.F. Sloane. Springer Verlag, 2009. s. 679-698.