PUBLICATIONS LIST

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2014 FEATURED CGH PUBLICATIONS

Inherited Condition Research

1. Nishimoto HK, Ha K, Jones JR, Dwivedi A, Cho H-M, Layman LC, and Kim H-G. **The historical Coffin–Lowry syndrome family revisited: identification of two novel mutations of RPS6KA3 in three male patients.** *Am. J. Med. Genet.* (2014) 164A:2172–2179. ABSTRACT
2. Olson H, Shen Y, Avallone J, Sheidley BR, Pinsky R, Bergin AM, Berry GT, Duffy FH, Eksioglu Y, Harris DJ, Hisama FM, Ho E, Irons M, Jacobsen CM, James P, Kothare S, Khwaja O, Lipton J, Loddenkemper T, Markowitz J, Maski K, Megerian T, Neilan E, Raffalli PC, Robbins M, Roberts A, Roe E, Rollins C, Sahin M, Sarco D, Schonwald A, Smith SE, Soul J, Stoler JM, Takeoka M, Tan W, Torres AR, Tsai P, Urion DK, Weissman L, Wolff R, Wu B, Miller DT, and Poduri A. **Copy number variation plays an important role in clinical epilepsy.** *Ann. Neurol.* (2014) 75:943–958. ABSTRACT

Cancer Research

1. Choy E, MacConaill LE, Cote GM, Le LP, Shen JK, Nielsen GP, Lafrate AJ, Garraway LA, Hornicek FJ, and Duan Z. **Genotyping cancer-associated genes in chordoma identifies mutations in oncogenes and areas of chromosomal loss involving CDKN2A, PTEN, and SMARCB1.** *PLoS ONE* (2014) 9(7): e101283. doi:10.1371/journal.pone.0101283. ABSTRACT
2. Conconi D, Panzeri E, Redaelli S, Bovo G, Viganò P, Strada G, Dalprà L, and Bentivegna A. **Chromosomal imbalances in human bladder urothelial carcinoma: similarities and differences between biopsy samples and cancer stem-like cells.** *BMC Cancer* (2014) 14:646. ABSTRACT
3. Jang SH, Park JW, Kim HR, Seong JK, and Kim HK. **ADRM1 gene amplification is a candidate driver for metastatic gastric cancers.** *Clin. Exp. Metastasis* (2014) 31:727–733. ABSTRACT
4. Sun I, Li M, Huang X, Xu J, Gao Z, and Liu C. **High-resolution genome-wide analysis identified recurrent genetic alterations in NK/T-cell lymphoma, nasal type, which are associated with disease progression.** *Med. Oncol.* (2014) 31:71. ABSTRACT

2013 FEATURED CGH PUBLICATIONS

Inherited Condition Research

1. Chu J, Rogers A, Ionita-Laza I, Darvishi K, Mills RE, Lee C, and Raby BA. **Copy number variation genotyping using family information.** *BMC Bioinformatics* (2013) 14:157. ABSTRACT
2. Rogers AJ, Chu JH, Darvishi K, Ionita-Laza I, Lehmann H, Mills R, Lee C, and Raby BA. **Copy number variation prevalence in known asthma genes and their impact on asthma susceptibility.** *Clin. and Exp. Allergy.* (2013) 43:455–62. ABSTRACT

Cancer Research

1. Camps J, Pitt JJ, Emons G, Hummon AB, Case CM, Grade M, Jones TL, Nguyen QT, Ghadimi BM, Beissbarth T, Difilippantonio MJ, Caplen NJ, and Ried T. **Genetic amplification of the NOTCH modulator LNX2 upregulates the WNT/β-Catenin pathway in colorectal cancer.** *Cancer Res*. (2013) 73: 2003–2013. ABSTRACT
2. Errami Y, Brim H, Oumouna-Benachour K, Oumouna M, Naura AS, Kim H, Davis CJ, Kim JG,Ashktorab H, Fallon K, Xu M, Zhang J, Del Valle L, and Boulares AH. **ICAD deficiency in human colon cancer and predisposition to colon tumorigenesis: Linkage to apoptosis resistance and genomic instability.** *PLoS ONE* (2013) 8: e57871. doi:10.1371/journal.pone.0057871 ABSTRACT
3. Hosein AN, Song S, McCart Reed AE, Jayanthan J, Reid LE, Kutasovic JR, Cummings MC, Waddell N, Lakhani SR, Chenevix-Trench G, and Simpson PT. **Evaluating the repair of DNA derived from formalin-fixed paraffin-embedded tissues prior to genomic profiling by SNP–CGH analysis.** *Lab Investigation* (2013) 93: 701–710. ABSTRACT
4. Liu F, Yoshida N, Suguro M, Kato H, Karube K, Arita K, Yamamoto K, Tsuzuki S, Oshima K, and Seto M. **Clonal heterogeneity of mantle cell lymphoma revealed by array comparative genomic hybridization.** *Eur. J. Haematol.* (2013) 90: 51–58. ABSTRACT
5. Pan CC, and Epstein JI. **Common chromosomal aberrations detected by array comparative genomic hybridization in specialized stromal tumors of the prostate.** *Modern Pathology* (2013) 26: 1536–1543. ABSTRACT
6. Petrini I, Wang Y, Zucali PA, Lee HS, Pham T, Voeller D, Meltzer PS, and Giaccone G. **Copy number aberrations of genes regulating normal thymus development in thymic epithelial tumors.** *Clin. Cancer Res.* (2013) 19: 1960–1971. ABSTRACT
7. Salaverria I, Martin-Guerrero I, Burkhardt B, Kreuz M, Zenz T, Oschlies I, Arnold N, Baudis M, Bens S, Garcıa-Orad A, Lisfeld J, Schwaenen C, Szczepanowski M, Wessendorf S, Pfreundschuh M, Trumper L, Klapper W, and Siebert R. **High resolution copy number analysis of IRF4 translocation-positive diffuse large B-cell and follicular lymphomas.** *Genes, Chromo. and Cancer* (2013) 52:150–155. ABSTRACT
8. Spaepen M, Xavier NE, Sagaert X, Hertogh GD, Beert E, Wimmer K, Matthijs G, Legius E, and Brems H. **EPCAM germline and somatic rearrangements in lynch syndrome: identification of a novel 3'EPCAM deletion.** *Genes, Chromo. and Cancer* (2013) 52: 845–54. ABSTRACT
9. Yoshioka S, Tsukamoto Y, Hijiya N, Nakada C, Uchida T, Matsuura K, Takeuchi I, Seto M, Kawano K, and Moriyama M. **Genomic profiling of oral squamous cell carcinoma by array-based comparative genomic hybridization.** *PLoS ONE* (2013) 8(2): e56165. doi:10.1371/journal.pone.0056165 ABSTRACT

Stem Cell Research

1. Baronchelli S, Bentivegna A, Redaelli S, Riva G, Butta V, Paoletta L, Isimbaldi G, Miozzo M, Tabano S, Daga A, Marubbi D, Cattaneo M, Biunno I, and Dalprà L. **Delineating the cytogenomic and epigenomic landscapes of glioma stem cell lines.** (2013) *PLoS ONE* 8(2): e57462. doi:10.1371/journal.pone.0057462 ABSTRACT
2. Estrada JC, Torres Y, Benguría A, Dopazo A, Roche E, Carrera-Quintanar L, Pérez RA, Enríquez JA, Torres R, Ramírez JC, Samper E, and Bernad A. **Human mesenchymal stem cell-replicative senescence and oxidative stress are closely linked to aneuploidy.** *Cell Death and Disease* (2013) 4, e691; doi:10.1038/cddis.2013.211 ABSTRACT
3. Guo CW, Kawakatsu M, Idemitsu M, Urata Y, Goto S, Ono Y, Hamano K, and Li T-S. **Culture under low physiological oxygen conditions improves the stemness and quality of induced pluripotent stem cells.** *J Cell. Physio.* (2013) 228:2159–66. ABSTRACT

Single Cell Research

1. Möhlendick B, Bartenhagen C, Behrens B., Honisch E., Raba K, Knoefel WT, and Stoecklein NH. **A robust method to analyze copy number alterations of less than 100 kb in single cells using oligonucleotide array CGH.** *PLoS ONE* (2013) 8(6): e67031. doi:10.1371/journal.pone.0067031 ABSTRACT

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