

# Stanford

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## Andrew Gentles

Assistant Professor (Research) of Pathology, of Medicine (BMIR) and, by courtesy, of Biomedical Data Science

### Bio

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#### BIO

BSc (Hons) Physics, University of Manchester, UK

PhD Theoretical particle physics, University of Southampton, UK

#### ACADEMIC APPOINTMENTS

- Assistant Professor (Research), Pathology
- Assistant Professor (Research), Medicine - Biomedical Informatics Research
- Assistant Professor (Research) (By courtesy), Biomedical Data Science
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

#### LINKS

- Google scholar: [https://scholar.google.com/citations?user=6JO\\_L6wAAAAJ&hl=en](https://scholar.google.com/citations?user=6JO_L6wAAAAJ&hl=en)
- Lab website: <http://ajglab.org>

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Computational systems biology of human disease. Particular focus on integration of high-throughput datasets with each other, and with phenotypic information and clinical outcomes.

### Teaching

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#### COURSES

##### 2022-23

- Machine Learning Approaches for Data Fusion in Biomedicine: BIODS 221, BIOMEDIN 221 (Aut)

##### 2021-22

- Essential Methods in Computational and Systems Immunology: IMMUNOL 207 (Spr)
- Machine Learning Approaches for Data Fusion in Biomedicine: BIODS 221, BIOMEDIN 221 (Aut)

#### 2020-21

- Essential Methods in Computational and Systems Immunology: IMMUNOL 207 (Spr)
- Machine Learning Approaches for Data Fusion in Biomedicine: BIOMEDIN 221 (Aut)

#### 2019-20

- Essential Methods in Computational and Systems Immunology: IMMUNOL 207 (Spr)
- Machine Learning Approaches for Data Fusion in Biomedicine: BIOMEDIN 221 (Aut)

### STANFORD ADVISEES

#### Doctoral Dissertation Reader (AC)

Brooks Benard, Vandon Duong, Victoria Hernandez

#### Postdoctoral Faculty Sponsor

Almudena Espin Perez

#### Doctoral Dissertation Co-Advisor (AC)

Asiri Ediriwickrema

#### Postdoctoral Research Mentor

Almudena Espin Perez

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Bioengineering (Phd Program)
- Biomedical Informatics (Masters Program)
- Biomedical Informatics (Phd Program)
- Cancer Biology (Phd Program)
- Immunology (Phd Program)
- Medicine (Masters Program)
- Microbiology and Immunology (Phd Program)
- Neurosciences (Phd Program)

### Publications

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#### PUBLICATIONS

- **Single Cell Spatial Biology for Precision Cancer Medicine.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*  
Gentles, A. J., Nirmal, A. J., Heiser, L. M., Lundberg, E., Newman, A. M.  
2023; 28: 549-553
- **Single cell genomics in AML: extending the frontiers of AML research.** *Blood*  
Ediriwickrema, A., Gentles, A. J., Majeti, R.  
2022
- **Peripheral blood DNA methylation profiles predict future development of B-cell Non-Hodgkin Lymphoma.** *NPJ precision oncology*  
Espin-Perez, A., Brennan, K., Ediriwickrema, A. S., Gevaert, O., Lossos, I. S., Gentles, A. J.  
2022; 6 (1): 53
- **Identification of cell types in multiplexed in situ images by combining protein expression and spatial information using CELESTA.** *Nature methods*  
Zhang, W., Li, I., Reticker-Flynn, N. E., Good, Z., Chang, S., Samusik, N., Saumyaa, S., Li, Y., Zhou, X., Liang, R., Kong, C. S., Le, Q., Gentles, et al  
2022

- **Lymph node colonization induces tumor-immune tolerance to promote distant metastasis.** *Cell*  
Reticker-Flynn, N. E., Zhang, W., Belk, J. A., Basto, P. A., Escalante, N. K., Pilarowski, G. O., Bejnood, A., Martins, M. M., Kenkel, J. A., Linde, I. L., Bagchi, S., Yuan, R., Chang, et al  
2022
- **NSD1 mutations deregulate transcription and DNA methylation of bivalent developmental genes in Sotos syndrome.** *Human molecular genetics*  
Brennan, K., Zheng, H., Fahrner, J. A., Shin, J. H., Gentles, A. J., Schaefer, B., Sunwoo, J. B., Bernstein, J. A., Gevaert, O.  
2022
- **Clonal architecture predicts clinical outcomes and drug sensitivity in acute myeloid leukemia.** *Nature communications*  
Benard, B. A., Leak, L. B., Azizi, A., Thomas, D., Gentles, A. J., Majeti, R.  
1800; 12 (1): 7244
- **High-grade serous ovarian tumor cells modulate NK cell function to create an immune-tolerant microenvironment.** *Cell reports*  
Gonzalez, V. D., Huang, Y., Delgado-Gonzalez, A., Chen, S., Donoso, K., Sachs, K., Gentles, A. J., Allard, G. M., Kolahi, K. S., Howitt, B. E., Porpiglia, E., Fantl, W. J.  
2021; 36 (9): 109632
- **Landscape of innate lymphoid cells in human head and neck cancer reveals divergent NK cell states in the tumor microenvironment.** *Proceedings of the National Academy of Sciences of the United States of America*  
Moreno-Nieves, U. Y., Tay, J. K., Saumyaa, S., Horowitz, N. B., Shin, J. H., Mohammad, I. A., Luca, B., Mundy, D. C., Gulati, G. S., Bedi, N., Chang, S., Chen, C., Kaplan, et al  
2021; 118 (28)
- **Transient rest restores functionality in exhausted CAR-T cells through epigenetic remodeling.** *Science (New York, N.Y.)*  
Weber, E. W., Parker, K. R., Sotillo, E., Lynn, R. C., Anbunathan, H., Lattin, J., Good, Z., Belk, J. A., Daniel, B., Klysz, D., Malipatlolla, M., Xu, P., Bashti, et al  
2021; 372 (6537)
- **Prognostic Gene Expression, Stemness and Immune Microenvironment in Pediatric Tumors.** *Cancers*  
Stahl, D., Knoll, R., Gentles, A. J., Vokuhl, C., Bunes, A., Gutgemann, I.  
2021; 13 (4)
- **HGAL inhibits lymphoma dissemination by interacting with multiple Cytoskeletal proteins.** *Blood advances*  
Jiang, X., Lu, X., Gentles, A. J., Zhao, D., Wander, S. A., Zhang, Y., Natkunam, Y., Slingerland, J., Reis, I. M., Rabinovich, B., Abdulreda, M. H., Moy, V. T., Lossos, et al  
2021
- **The landscape of tumor cell states and ecosystems in diffuse large B cell lymphoma.** *Cancer cell*  
Steen, C. B., Luca, B. A., Esfahani, M. S., Azizi, A., Sworder, B. J., Nabet, B. Y., Kurtz, D. M., Liu, C. L., Khameneh, F., Advani, R. H., Natkunam, Y., Myklebust, J. H., Diehn, et al  
2021
- **Atlas of clinically distinct cell states and ecosystems across human solid tumors.** *Cell*  
Luca, B. A., Steen, C. B., Matusiak, M., Azizi, A., Varma, S., Zhu, C., Przybyl, J., Espín-Pérez, A., Diehn, M., Alizadeh, A. A., van de Rijn, M., Gentles, A. J., Newman, et al  
2021
- **Conditional expression of HGAL leads to the development of diffuse large B-cell lymphoma in mice.** *Blood*  
Raboso-Gallego, J., Casado-Garcia, A., Jiang, X., Isidro-Hernandez, M., Gentles, A. J., Zhao, S., Natkunam, Y., Blanco, O., Dominguez, V., Pintado, B., De Las Rivas, J., Alonso-Lopez, D., Vicente-Duenas, et al  
2020
- **Maternal Anti-Dengue IgG Fucosylation Predicts Susceptibility to Dengue Disease in Infants.** *Cell reports*  
Thulin, N. K., Brewer, R. C., Sherwood, R., Bournazos, S., Edwards, K. G., Ramadoss, N. S., Taubenberger, J. K., Memoli, M., Gentles, A. J., Jagannathan, P., Zhang, S., Libraty, D. H., Wang, et al  
2020; 31 (6): 107642
- **CRISPR screens in cancer spheroids identify 3D growth-specific vulnerabilities.** *Nature*  
Han, K., Pierce, S. E., Li, A., Spees, K., Anderson, G. R., Seoane, J. A., Lo, Y. H., Dubreuil, M., Olivas, M., Kamber, R. A., Wainberg, M., Kostyrko, K., Kelly, et al  
2020; 580 (7801): 136-141

- **MYC and Twist1 cooperate to drive metastasis by eliciting crosstalk between cancer and innate immunity.** *eLife*  
Dhanasekaran, R., Baylot, V., Kim, M., Kuruvilla, S., Bellovin, D. I., Adeniji, N., Rajan Kd, A., Lai, I., Gabay, M., Tong, L., Krishnan, M., Park, J., Hu, et al  
2020; 9
- **Multomic single cell analysis of normal human bone marrow identifies a unique stem and progenitor population that expands in AML** *Proceedings of the Annual Meeting of the American Association for Cancer Research 2020*  
Ediriwickrema, A., Ramakrishnan, S., Nakamoto, M., Ghanekar, S., Luca, B., Newman, A., Gentles, A., Majeti, R.  
2020
- **A human lung tumor microenvironment interactome identifies clinically relevant cell-type cross-talk.** *Genome biology*  
Gentles, A. J., Hui, A. B., Feng, W. n., Azizi, A. n., Nair, R. V., Bouchard, G. n., Knowles, D. A., Yu, A. n., Jeong, Y. n., Bejnood, A. n., Forgó, E. n., Varma, S. n., Xu, et al  
2020; 21 (1): 107
- **The Immune Landscape of Cancer.** *Immunity*  
Thorsson, V., Gibbs, D. L., Brown, S. D., Wolf, D., Bortone, D. S., Ou Yang, T., Porta-Pardo, E., Gao, G. F., Plaisier, C. L., Eddy, J. A., Ziv, E., Culhane, A. C., Paull, et al  
2019; 51 (2): 411–12
- **LMO2 Confers Synthetic Lethality to PARP Inhibition in DLBCL.** *Cancer cell*  
Parvin, S., Ramirez-Labrada, A., Aumann, S., Lu, X., Weich, N., Santiago, G., Cortizas, E. M., Sharabi, E., Zhang, Y., Sanchez-Garcia, I., Gentles, A. J., Roberts, E., Bilbao-Cortes, et al  
2019
- **Determining cell type abundance and expression from bulk tissues with digital cytometry** *NATURE BIOTECHNOLOGY*  
Newman, A. M., Steen, C. B., Liu, C., Gentles, A. J., Chaudhuri, A. A., Scherer, F., Khodadoust, M. S., Esfahani, M. S., Luca, B. A., Steiner, D., Diehn, M., Alizadeh, A. A.  
2019; 37 (7): 773+
- **Targetable genetic alterations of TCF4 (E2-2) drive immunoglobulin expression in diffuse large B cell lymphoma.** *Science translational medicine*  
Jain, N., Hartert, K., Tadros, S., Fiskus, W., Havranek, O., Ma, M. C., Bouska, A., Heavican, T., Kumar, D., Deng, Q., Moore, D., Pak, C., Liu, et al  
2019; 11 (497)
- **Data mining for mutation-specific targets in acute myeloid leukemia** *LEUKEMIA*  
Benard, B., Gentles, A. J., Kohnke, T., Majeti, R., Thomas, D.  
2019; 33 (4): 826–43
- **Determining cell type abundance and expression from bulk tissues with digital cytometry.** *Nature biotechnology*  
Newman, A. M., Steen, C. B., Liu, C. L., Gentles, A. J., Chaudhuri, A. A., Scherer, F. n., Khodadoust, M. S., Esfahani, M. S., Luca, B. A., Steiner, D. n., Diehn, M. n., Alizadeh, A. A.  
2019
- **Prognostic profiling of the immune cell microenvironment in Ewings Sarcoma Family of Tumors.** *Oncoimmunology*  
Stahl, D., Gentles, A. J., Thiele, R., Gutgemann, I.  
2019; 8 (12): e1674113
- **Comprehensive analysis of cancer stemness**  
Malta, T. M., Sokolov, A., Gentles, A. J., Burzykowski, T., Poisson, L., Weinstein, J., Kaminska, B., Huelsken, J., Omberg, L., Gevaert, O., Colaprico, A., Czerwinska, P., Mazurek, et al  
AMER ASSOC CANCER RESEARCH.2018
- **GFPT2-expressing cancer-associated fibroblasts mediate metabolic reprogramming in human lung adenocarcinoma.** *Cancer research*  
Zhang, W., Bouchard, G., Yu, A., Shafiq, M., Jamali, M., Shrager, J. B., Ayers, K., Bakr, S., Gentles, A. J., Diehn, M., Quon, A., West, R. B., Nair, et al  
2018
- **The Immune Landscape of Cancer** *IMMUNITY*  
Thorsson, V., Gibbs, D. L., Brown, S. D., Wolf, D., Bortone, D. S., Yang, T., Porta-Pardo, E., Gao, G. F., Plaisier, C. L., Eddy, J. A., Ziv, E., Culhane, A. C., Paull, et al  
2018; 48 (4): 812+
- **Machine Learning Identifies Stemness Features Associated with Oncogenic Dedifferentiation** *CELL*

- Malta, T. M., Sokolov, A., Gentles, A. J., Burzykowski, T., Poisson, L., Weinstein, J. N., Kaminska, B., Huelsken, J., Omberg, L., Gevaert, O., Colaprico, A., Czerwinska, P., Mazurek, et al  
2018; 173 (2): 338+
- **Subtype assignment of CLL based on B-cell subset associated gene signatures from normal bone marrow - A proof of concept study** *PLOS ONE*  
Norgaard, C., Jakobsen, L., Gentles, A. J., Dybkaer, K., El-Galaly, T., Bodker, J., Schmitz, A., Johansen, P., Herold, T., Spiekermann, K., Brown, J. R., Klitgaard, J. L., Johnsen, et al  
2018; 13 (3): e0193249
  - **Brd4 regulates the expression of essential autophagy genes and Keap1 in AML cells.** *Oncotarget*  
Huang, M., Zhu, L., Garcia, J. S., Li, M. X., Gentles, A. J., Mitchell, B. S.  
2018; 9 (14): 11665–76
  - **Module Analysis Captures Pancancer Genetically and Epigenetically Deregulated Cancer Driver Genes for Smoking and Antiviral Response.** *EBioMedicine*  
Champion, M. n., Brennan, K. n., Croonenborghs, T. n., Gentles, A. J., Pochet, N. n., Gevaert, O. n.  
2018; 27: 156–66
  - **Quantification of Macrophages in High-Grade Gliomas by Using Ferumoxytol-enhanced MRI: A Pilot Study.** *Radiology*  
Iv, M. n., Samghabadi, P. n., Holdsworth, S. n., Gentles, A. n., Rezaii, P. n., Harsh, G. n., Li, G. n., Thomas, R. n., Moseley, M. n., Daldrup-Link, H. E., Vogel, H. n., Wintermark, M. n., Cheshier, et al  
2018: 181204
  - **Non-Small Cell Lung Cancer Radiogenomics Map Identifies Relationships between Molecular and Imaging Phenotypes with Prognostic Implications.** *Radiology*  
Zhou, M. n., Leung, A. n., Echeagaray, S. n., Gentles, A. n., Shrager, J. B., Jensen, K. C., Berry, G. J., Plevritis, S. K., Rubin, D. L., Napel, S. n., Gevaert, O. n.  
2018; 286 (1): 307–15
  - **Human AML-iPSCs Acquire Leukemic Properties after Differentiation and Model Clonal Variation of Disease.** *Cell stem cell*  
Chao, M. P., Gentles, A. J., Chatterjee, S., Lan, F., Reinisch, A., Corces, M. R., Xavy, S., Shen, J., Haag, D., Chanda, S., Sinha, R., Morganti, R. M., Nishimura, et al  
2017; 20 (3): 329-344 e7
  - **Identification of an atypical etiological head and neck squamous carcinoma subtype featuring the CpG island methylator phenotype.** *EBioMedicine*  
Brennan, K., Koenig, J. L., Gentles, A. J., Sunwoo, J. B., Gevaert, O.  
2017; 17: 223-236
  - **NSD1 inactivation defines an immune cold, DNA hypomethylated subtype in squamous cell carcinoma.** *Scientific reports*  
Brennan, K. n., Shin, J. H., Tay, J. K., Prunello, M. n., Gentles, A. J., Sunwoo, J. B., Gevaert, O. n.  
2017; 7 (1): 17064
  - **Data normalization considerations for digital tumor dissection.** *Genome biology*  
Newman, A. M., Gentles, A. J., Liu, C. L., Diehn, M. n., Alizadeh, A. A.  
2017; 18 (1): 128
  - **Low BUB1 expression is an adverse prognostic marker in gastric adenocarcinoma.** *Oncotarget*  
Stahl, D. n., Braun, M. n., Gentles, A. J., Lingohr, P. n., Walter, A. n., Kristiansen, G. n., Güttgemann, I. n.  
2017; 8 (44): 76329–39
  - **Role of KEAP1/NRF2 and TP53 Mutations in Lung Squamous Cell Carcinoma Development and Radiation Resistance.** *Cancer discovery*  
Jeong, Y., Hoang, N. T., Lovejoy, A., Stehr, H., Newman, A. M., Gentles, A. J., Kong, W., Truong, D., Martin, S., Chaudhuri, A., Heiser, D., Zhou, L., Say, et al  
2016
  - **Pathophysiological significance and therapeutic targeting of germinal center kinase in diffuse large B-cell lymphoma.** *Blood*  
Matthews, J. M., Bhatt, S., Patricelli, M. P., Nomanbhoy, T. K., Jiang, X., Natkunam, Y., Gentles, A. J., Martinez, E., Zhu, D., Chapman, J. R., Cortizas, E., Shyam, R., Chinichian, et al  
2016; 128 (2): 239-248
  - **Identifying Network Perturbation in Cancer** *PLOS COMPUTATIONAL BIOLOGY*  
Grechkin, M., Logsdon, B. A., Gentles, A. J., Lee, S.  
2016; 12 (5)

- **Gene expression analysis of plasmablastic lymphoma identifies downregulation of B-cell receptor signaling and additional unique transcriptional programs** *LEUKEMIA*  
Chapman, J., Gentles, A. J., Sujoy, V., Vega, F., Dumur, C. I., BLEVINS, T. L., Bernal-Mizrachi, L., Mosunjac, M., Pimentel, A., Zhu, D., Lossos, I. S.  
2015; 29 (11): 2270-2273
- **Integrating Tumor and Stromal Gene Expression Signatures With Clinical Indices for Survival Stratification of Early-Stage Non-Small Cell Lung Cancer.** *Journal of the National Cancer Institute*  
Gentles, A. J., Bratman, S. V., Lee, L. J., Harris, J. P., Feng, W., Nair, R. V., Shultz, D. B., Nair, V. S., Hoang, C. D., West, R. B., Plevritis, S. K., Alizadeh, A. A., Diehn, et al  
2015; 107 (10)
- **CD93 Marks a Non-Quiescent Human Leukemia Stem Cell Population and Is Required for Development of MLL-Rearranged Acute Myeloid Leukemia.** *Cell stem cell*  
Iwasaki, M., Liedtke, M., Gentles, A. J., Cleary, M. L.  
2015; 17 (4): 412-421
- **An LSC epigenetic signature is largely mutation independent and implicates the HOXA cluster in AML pathogenesis** *NATURE COMMUNICATIONS*  
Jung, N., Dai, B., Gentles, A. J., Majeti, R., Feinberg, A. P.  
2015; 6
- **The prognostic landscape of genes and infiltrating immune cells across human cancers** *NATURE MEDICINE*  
Gentles, A. J., Newman, A. M., Liu, C. L., Bratman, S. V., Feng, W., Kim, D., Nair, V. S., Xu, Y., Khuong, A., Hoang, C. D., Diehn, M., West, R. B., Plevritis, et al  
2015; 21 (8): 938-945
- **Robust enumeration of cell subsets from tissue expression profiles.** *Nature methods*  
Newman, A. M., Liu, C. L., Green, M. R., Gentles, A. J., Feng, W., Xu, Y., Hoang, C. D., Diehn, M., Alizadeh, A. A.  
2015; 12 (5): 453-457
- **Reprogramming of primary human Philadelphia chromosome-positive B cell acute lymphoblastic leukemia cells into nonleukemic macrophages** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
McClellan, J. S., Dove, C., Gentles, A. J., Ryan, C. E., Majeti, R.  
2015; 112 (13): 4074-4079
- **Mutations in early follicular lymphoma progenitors are associated with suppressed antigen presentation.** *Proceedings of the National Academy of Sciences of the United States of America*  
Green, M. R., Kihira, S., Liu, C. L., Nair, R. V., Salari, R., Gentles, A. J., Irish, J., Stehr, H., Vicente-Dueñas, C., Romero-Camarero, I., Sanchez-Garcia, I., Plevritis, S. K., Arber, et al  
2015; 112 (10): E1116-25
- **Sparse expression bases in cancer reveal tumor drivers.** *Nucleic acids research*  
Logsdon, B. A., Gentles, A. J., Miller, C. P., Blau, C. A., Becker, P. S., Lee, S.  
2015; 43 (3): 1332-1344
- **Mutant WT1 is associated with DNA hypermethylation of PRC2 targets in AML and responds to EZH2 inhibition.** *Blood*  
Sinha, S., Thomas, D., Yu, L., Gentles, A. J., Jung, N., Corces-Zimmerman, M. R., Chan, S. M., Reinisch, A., Feinberg, A. P., Dill, D. L., Majeti, R.  
2015; 125 (2): 316-326
- **A Simple Method for Estimating Interactions Between a Treatment and a Large Number of Covariates** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Tian, L., Alizadeh, A. A., Gentles, A. J., Tibshirani, R.  
2014; 109 (508): 1517-1532
- **A Simple Method for Estimating Interactions between a Treatment and a Large Number of Covariates.** *Journal of the American Statistical Association*  
Tian, L., Alizadeh, A. A., Gentles, A. J., Tibshirani, R.  
2014; 109 (508): 1517-1532
- **Targeting Unique Metabolic Properties of Breast Tumor Initiating Cells** *STEM CELLS*  
Feng, W., Gentles, A., Nair, R. V., Huang, M., Lin, Y., Lee, C. Y., Cai, S., Scheeren, F. A., Kuo, A. H., Diehn, M.  
2014; 32 (7): 1734-1745

- **Active idiotypic vaccination versus control immunotherapy for follicular lymphoma.** *Journal of clinical oncology*  
Levy, R., Ganjoo, K. N., Leonard, J. P., Vose, J. M., Flinn, I. W., Ambinder, R. F., Connors, J. M., Berinstein, N. L., Belch, A. R., Bartlett, N. L., Nichols, C., Emmanouilides, C. E., Timmerman, et al  
2014; 32 (17): 1797-1803
- **Utility in prognostic value added by molecular profiles for diffuse large B-cell lymphoma.** *Blood*  
Gentles, A. J., Alizadeh, A. A.  
2013; 121 (15): 3052-3054
- **Hierarchy in somatic mutations arising during genomic evolution and progression of follicular lymphoma.** *Blood*  
Green, M. R., Gentles, A. J., Nair, R. V., Irish, J. M., Kihira, S., Liu, C. L., Kela, I., Hopmans, E. S., Myklebust, J. H., Ji, H., Plevritis, S. K., Levy, R., Alizadeh, et al  
2013; 121 (9): 1604-1611
- **Systematic Deconvolution of Hematolymphoid Tumor Transcriptomes Reveals Infiltrating Immune Cell Signatures Related to Survival** *54th Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*  
Newman, A. M., Gentles, A. J., Plevritis, S. K., Alizadeh, A. A.  
AMER SOC HEMATOLOGY.2012
- **Hierarchy in Somatic Mutations Arising During Genomic Evolution and Progression of Follicular Lymphoma** *54th Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*  
Green, M. R., Gentles, A. J., Nair, R. V., Irish, J. M., Levy, R., Alizadeh, A. A.  
AMER SOC HEMATOLOGY.2012
- **The chemoattractant chemerin suppresses melanoma by recruiting natural killer cell antitumor defenses** *JOURNAL OF EXPERIMENTAL MEDICINE*  
Pachynski, R. K., Zabel, B. A., Kohrt, H. E., Tejada, N. M., Monnier, J., Swanson, C. D., Holzer, A. K., Gentles, A. J., Sperinde, G. V., Edalati, A., Hadeiba, H. A., Alizadeh, A. A., Butcher, et al  
2012; 209 (8): 1427-1435
- **Identification of LMO2 transcriptome and interactome in diffuse large B-cell lymphoma** *BLOOD*  
Cubedo, E., Gentles, A. J., Huang, C., Natkunam, Y., Bhatt, S., Lu, X., Jiang, X., Romero-Camarero, I., Freud, A., Zhao, S., Bacchi, C. E., Martinez-Climent, J. A., Sanchez-Garcia, et al  
2012; 119 (23): 5478-5491
- **The chemoattractant chemerin as a natural tumor suppressive cytokine.** *48th Annual Meeting of the American-Society-of-Clinical-Oncology (ASCO)*  
Pachynski, R. K., Zabel, B., Tejada, N., Monnier, J., Holzer, A. K., Gentles, A., Kohrt, H. E., Hadeiba, H., Alizadeh, A. A., Butcher, E.  
AMER SOC CLINICAL ONCOLOGY.2012
- **The CD47-signal regulatory protein alpha (SIRPa) interaction is a therapeutic target for human solid tumors** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Willingham, S. B., Volkmer, J., Gentles, A. J., Sahoo, D., Dalerba, P., Mitra, S. S., Wang, J., Contreras-Trujillo, H., Martin, R., Cohen, J. D., Lovelace, P., Scheeren, F. A., Chao, et al  
2012; 109 (17): 6662-6667
- **Identification of LMO2 Transcriptome and Interactome in Diffuse Large B-Cell Lymphoma by Integrated Experimental and Computational Approach** *53rd Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*  
Cubedo, E., Gentles, A. J., Huang, C., Natkunam, Y., Bhatt, S., Jiang, X., Lu, X., Romero-Camarero, I., Plevritis, S. K., Martinez-Climent, J. A., Sanchez-Garcia, I., Melnick, A., Lossos, et al  
AMER SOC HEMATOLOGY.2011: 201-2
- **A few good genes Simple, biologically motivated signatures for cancer prognosis** *CELL CYCLE*  
Gentles, A. J., Alizadeh, A. A.  
2011; 10 (21): 3615-3616
- **Lymphomas that recur after MYC suppression continue to exhibit oncogene addiction** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Choi, P. S., van Riggelen, J., Gentles, A. J., Bachireddy, P., Rakhra, K., Adam, S. J., Plevritis, S. K., Felsher, D. W.  
2011; 108 (42): 17432-17437
- **Systems Biology: Confronting the Complexity of Cancer** *CANCER RESEARCH*  
Gentles, A. J., Gallahan, D.

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