

AIDAN QUINN

AidanQuinn.net/contact.html

EDUCATION

Ph.D. in Pathobiology and Molecular Medicine · **Columbia University** · New York, NY 2014-*present*
Advisor: Adolfo Ferrando, M.D., Ph.D.

M.A. in Biotechnology · **Columbia University** · New York, NY 2011-2012

B.S. *cum laude* in Psychology · **Fairfield University** · Fairfield, CT 2008-2010

RESEARCH EXPERIENCE

Institute for Cancer Genetics, Columbia University Aug 2014 - present
Predoctoral Fellow

- My aim is to identify translated short open reading frames within putative long non-coding transcripts that encode regulatory micropeptides involved in cancer. I use a systems biology approach including computational as well as molecular genetic techniques.

Department of Radiation Oncology, Mount Sinai Medical Center Dec 2012 - Aug 2014
Research Assistant

- Developed a comprehensive prostate cancer outcomes database including patients treated with external beam radiation and brachytherapy.
- Managed and analyzed data from institutionally initiated clinical trials.

Department of Pathology and Genetics, Mount Sinai Medical Center Aug 2010 - Aug 2012
Research Assistant · Graduate Student

- Designed and carried out gene expression profiling experiments in human prostate cancer cell lines.
- Performed bioinformatic analysis of gene expression from RNA-seq and 3' expression array profiling.

TEACHING EXPERIENCE

College of Physicians and Surgeons, Columbia University Aug 2016 - Dec 2016
Teaching Assistant · Medical Histology

- Laboratory course in normal human histology for first year medical and dental students.

Huntington Learning Center, New York, NY May 2012 - Sep 2015
Math and Science Tutor

- Tutored AP biology, calculus and physics students as well as college students in biology, genetics and biochemistry.
- Taught group SAT math and ACT math and science courses.

SKILLS

Programming Languages: R, Python, Shell Scripting, SQL

UI: HTML, JavaScript and CSS

Laboratory: ChIP-seq, RNA-seq, ATAC-seq, Western Blot, ELISA, qRT-PCR, IF, IHC, CRISPR-*Cas9* based knock-in generation, FACS, CoIP-MS/MS, rodent surgery

PUBLICATIONS

Articles

- **Activating mutations and translocations in the guanine exchange factor VAV1 in peripheral T-cell lymphomas.** Abate F, da Silva-Almeida AC, Zairis S, Robles-Valero J, Couronne L, Khiabani H, **Quinn SA**, Kim MY, Laginestra MA, Kim C, Fiore D, Bhagat G, Piris MA, Campo E, Lossos IS, Bernard OA, Inghirami G, Pileri S, Bustelo XR, Rabadan R, Ferrando AA, Palomero T. *Proc Natl Acad Sci.* 2017 Jan 24; 114(4), 764-769. PMID: 28062691.

- **Phase I/II prospective trial of cancer-specific imaging using ultrasound spectrum analysis tissue-type imaging to guide dose-painting prostate brachytherapy** RD Ennis, **SA Quinn**, F Trichter, S Ryemon, A Jain, K Saigal, S Chandrashekar, NA Romas, EJ Feleppa. *Brachytherapy* 2015; (6), 801-808. PMID: 26235201.
- **A Targetable GATA2-IGF2 Axis Confers Aggressiveness in Lethal Prostate Cancer.** Vidal SJ, Rodriguez-Bravo V, **Quinn SA**, Rodriguez-Barrueco R, Lujambio A, Williams E, Sun X, de la Iglesia-Vicente J, Lee A, Readhead B, Chen X, Galsky M, Esteve B, Petrylak DP, Dudley JT, Rabadan R, Silva JM, Hoshida Y, Lowe SW, Cordon-Cardo C, Domingo-Domenech J. *Cancer Cell*. 2015 Feb 9; 27(2) 223-39. PMID: 25670080.
- **The impact of economic recession on the incidence and treatment of cancer.** Ennis KY, Chen MH, Smith GC, D'Amico AV, Zhang Y, **Quinn SA**, Ryemon SN, Goltz D, Harrison LB, Ennis RD. *Journal of Cancer* 6 (8), 727. *Journal of Cancer* 2015 Jun 24; (8), 727-33. PMID: 26185534.
- **Prostate Cancer: Muddying the waters by overlooking treatment modality.** Ennis RD, **Quinn SA**. *Nature Reviews Clinical Oncology*. 2014 Apr 1; PMID: 24687032
- **Isolation of Cancer Stem Cells from Human Prostate Cancer Samples.** Vidal S, **Quinn SA**, Iglesia-Vicente J, Rodriguez-Bravo V, Cordon-Cardo C, Domingo-Domenech J. *Journal of Visualized Experiments*. 2014 Mar 14; PMID: 24686446.
- **Suppression of acquired docetaxel resistance in prostate cancer through depletion of notch and hedgehog-dependent tumor-initiating cells.** Domingo-Domenech J, Vidal SJ, Rodriguez-Bravo V, Castillo-Martin M, **Quinn SA**, Rodriguez-Barrueco R, Bonal DM, Charytonowicz E, Gladoun N, de la Iglesia-Vicente J, Petrylak DP, Benson MC, Silva JM, Cordon-Cardo C. *Cancer Cell*. 2012 Sep 11; 22(3):373-88. PMID: 22975379.
- **Unusual presentation of metastatic carcinoma to the eye.** Milman T, Iacob C, Rosen RB, Farrell GM, **Quinn SA**, Cohen BZ, McCormick SA. *Retin Cases Brief Rep*. 2010;4(1):65-9 PMID: 25390125.

Abstracts & Posters

- **Prospective phase I/II trial of dose-painting prostate brachytherapy guided by cancer-specific ultrasound-based tissue-type imaging (TTI).** Ennis R, Trichter F, Saigal K, **Quinn SA**, Feleppa E. 2014 Feb; *J Clin Oncol* 32, 2014 (suppl 4; abstr 246).
- **The Correlation Between Number of Lymph Nodes Removed During Radical Prostatectomy and Surgical Margin Status.** Donin N, Suh L, **Quinn A**, Hruby G, Benson M, McKiernan J. 2010 April; Vol. 183(4):e758-9. PMID: 20447479.

COMMUNITY INVOLVMENT

Scientific Society Membership:

American Academy for the Advancement of Science	2011-present
New York Academy of Science	2014-present

Referee/Reviewer:

Journal of Visualized Experiments	2017-present
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Volunteering:

Big Brothers Big Sisters of NY, mentor	2013-present
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INTERESTS & HOBBIES

- Triathlete and avid swimmer
- Enjoy the outdoors: trekking, camping, skiing and sailing
- Chess