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EDUCATION

University of Houston Ph.D. Cell and molecular biology	Houston, TX 2010-2014
Tecnológico de Monterrey Exchange student	Monterrey, Mexico Fall 2007-Spring 2008
KTH Royal Institute of Technology M.Sc. Biotechnology	Stockholm, Sweden 2005-2009

RELEVANT TRAINING

Cold Spring Harbor Laboratory Integrated Statistical Analysis of Genome Scale Data	Cold Spring Harbor, NY June 16-29, 2010
The University of Texas Health Science Center Genomics in Medicine and Public Health Short Course	Houston, TX May 20-21, 2009

RESEARCH EXPERIENCE

University of Houston Graduate researcher, advisor: Cecilia Williams, Ph.D. Studied gene-regulatory roles of estrogen receptors in human cancers at genome-wide levels	Houston, TX 2009-2014
Virginia Tech Laboratory trainee, advisor: Tim Larson, Ph.D. Phenotype characterization of gene knockouts in nitrogen-fixing pathways in <i>Azotobacter vinelandii</i>	Blacksburg, VA June-August, 2008

TECHNICAL SKILLS

Laboratory		
Cell culture	Immunoblotting	PCR/qPCR
Gene overexpression/silencing	Immunoprecipitation	Bright-field microscopy
Aseptic technique	Plasmid purification and cloning	ChIP-qPCR/sequencing
DNA/RNA isolation and quantification	DNA microarrays	Radioactive ligand-binding assays
	Next-generation sequencing	

Computational

Multivariate statistics	Analysis of public data (TCGA, GEO, SRA, etc.)	Shell scripting
Windows/Unix		Cluster computing
General bioinformatics methods	Gene set and pathway analysis (Pathway Studio, DAVID)	C (familiar)
Microarray analysis (various platforms)	Data visualization (R/ggplot2)	SQL (familiar)
NGS analysis (command-line software, R packages)	Statistical computing (R, Octave)	MATLAB (familiar)
	Python	

Languages

Swedish (native)
 English (fluent)
 Spanish (fluent)

AWARDS AND HONORS

Friends of NSM Graduate Fellow	2012-2013
University of Houston	
Awarded to outstanding Ph.D. candidates	
Stipend for doctoral studies	2011
Gålostiftelsen foundation	
Awarded to applicant with extraordinary merits and studies of high public interest	
Travel grant	2010
Cold Spring Harbor Laboratories	
Student travel award	2010
University of Houston	
The Henrik Göransson Sandviken Foundation Stipend	2010
KTH Royal Institute of Technology	
Stipend in recognition of high grade average	2007, 2009, 2010
KTH Royal Institute of Technology	

CONFERENCE PARTICIPATION

Jonsson P, Edvardsson K, Gustafsson JÅ, Williams C. *Transcriptome effects of stably expressed estrogen receptor beta in breast cancer cell line MCF7*. Keystone Symposia Abstracts. 225. Poster presented at Keystone Symposia Nuclear Receptors: Signaling, Gene Regulation and Cancer, Keystone, CO, March 2010.

Jonsson P, Alvarez-Baron CP, Dryer SE, Williams C. *Rapid regulation of ion channel KCNK5 by ERα in breast cancer cell lines MCF-7 and T47D promotes cell proliferation*. AACR Abstracts. 271. Poster presented at American Association for Cancer Research annual meeting 2011, Orlando, FL, April 2011.

Jonsson P, Ström A, Williams C. *Exploring diverging functions of long-term ERβ expression in two breast cancer cell lines*. Endocrine Society Abstracts SUN-554. Poster presented at Endocrine Society annual meeting 2012, Houston, TX, June 2012.

PUBLICATIONS

- Candelaria N, Addanki S, Zheng J, Nguyen-Vu T, Karaboga H, Dey P, Gabbi C, Vedin LL, Liu K, Wu W, **Jonsson P**, Lin JZ, Su F, Bollu LR, Hodges SE, McElhany, AL, Issazadeh MA, Fisher WE, Ittman MM, Steffensen KR, Gustafsson JÅ, Lin CY. *Antiproliferative Effects and Mechanisms of Liver X Receptor Ligands in Pancreatic Ductal Adenocarcinoma Cells*. PLoS ONE. 2014;9(9):e106289.
- Wang J, Cuko E, **Jonsson P**, Bergh J, Hartman J, Aydogdu E, Williams C. *miR-206 inhibits cell migration through direct targeting of the actin-binding protein Coronin 1C in triple-negative breast cancer*. Mol Oncol, 2014.
- Zhao C, Qiao Y, **Jonsson P**, Wang J, Xu L, Rouhi P, Sinha I, Kharman-Biz A, Cao Y, Williams C, Dahlman-Wright K. *Genome-wide profiling of AP-1 regulated transcription provides insights into the invasiveness of triple-negative breast cancer*. Cancer Res. 2014;74(14):3983-94.
- Zhu J, Zhao C, Kharman-Biz A, Zhuang T, **Jonsson P**, Liang N, Williams C, Lin CY, Qiao Y, Zendehele K, Strömblad S, Treuter E, Dahlman-Wright K. *The atypical ubiquitin ligase RNF31 stabilizes estrogen receptor alpha and facilitates estrogen-dependent breast cancer cell proliferation*. Oncogene. 2014.
- Katchy A, Pinto C, **Jonsson P**, Nguyen-Vu T, Pandelova M, Riu A, Schramm KW, Samarov D, Gustafsson JÅ, Bondesson M, Williams C. *Co-exposure to phytoestrogens and bisphenol A mimic estrogenic effects in an additive manner*. Toxicol Sci. 2013;138(1):21-35.
- Jonsson P**, Katchy A, Williams C. *Support of a bi-faceted role of ERβ in ERα-positive breast cancer cells*. Endocr Relat Cancer. 2013;21(2):143-60.
- Nguyen-Vu T, Vedin LL, Liu K, **Jonsson P**, Candelaria NR, Candelaria LP, Addanki S, Williams C, Gustafsson JÅ, Steffensen KR, Lin CY. *Liver X receptor ligands disrupt breast cancer cell proliferation through an E2F-mediated mechanism*. Breast Cancer Res. 2013;15(3):R51.
- Dey P, **Jonsson P**, Hartman J, Williams C, Ström A, Gustafsson JÅ. *Estrogen receptors β1 and β2 have opposing roles in regulating proliferation and bone metastasis genes in the prostate cancer cell line PC3*. Mol Endocrinol. 2012;26(12):1991-2003.
- Dahlman-Wright K, Qiao Y, **Jonsson P**, Gustafsson JÅ, Williams C, Zhao C. *Interplay between AP-1 and estrogen receptor α in regulating gene expression and proliferation networks in breast cancer cells*. Carcinogenesis. 2012;33(9):1684-91.
- Ehrlund A, **Jonsson P**, Vedin LL, Williams C, Gustafsson JÅ, Treuter E. *Knockdown of SF-1 and RNF31 affects components of steroidogenesis, TGFβ, and Wnt/β-catenin signaling in adrenocortical carcinoma cells*. PLoS ONE. 2012;7(3):e32080.
- Alvarez-Baron CP, **Jonsson P**, Thomas C, Dryer SE, Williams C. *The two-pore domain potassium channel KCNK5: induction by estrogen receptor alpha and role in proliferation of breast cancer cells*. Mol Endocrinol. 2011;25(8):1326-36.
- Edvardsson K, Ström A, **Jonsson P**, Gustafsson JÅ, Williams C. *Estrogen receptor β induces antiinflammatory and antitumorigenic networks in colon cancer cells*. Mol Endocrinol. 2011;25(6):969-79.

REFERENCES

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