Paula D. Bos, PhD

Assistant Professor
Department of Pathology
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Education

Postgraduate Training

2015 Memorial Sloan-Kettering Cancer Center

Graduate Education

2009 PhD, Weill Cornell Graduate School of Medical Sciences - Cornell University

2006 M.Sc. Weill Cornell Graduate School of Medical Sciences - Cornell University

Awards

2010 American Cancer Society Post-doctoral award

2010 National Institutes of Health, Immunology Training Grant, Memorial Sloan Kettering Cancer Center.

2000 Gold medal to the best GPA of the 2000 class at the National University of Misiones. Argentina

1999 National Senate of Argentina Research Award

1999 Rotary Club Special Mention - Woman of the year for the work in cervical cancer, Misiones, Argentina.

1998 XIV Latin American Congress of Microbiology Prize. Asunción, Paraguay.

VCU Service

2017 - Lecturer – Immunity and Infection – Medical Course - Virginia Commonwealth School of Medicine.

2016 - Guest Lecturer – Biology of Cancer Graduate Course - Virginia Commonwealth School of Medicine.

2015 - Lecturer - Advanced Immunology Graduate Course. Virginia Commonwealth School of Medicine.

Recent Invited Presentations

2018 Temple University – Temple Seminar Series, Philadelphia,

2017 Moffit Cancer Center – Basic Science Ground Rounds, Tampa, Florida

2017 Cold Spring Harbor Laboratories – Biology of Cancer: Microenvironment and Metastasis, Long Island, NY.

2017 National Cancer Institute Cancer and Inflammation Program Retreat, Bethesda, MD.

2017 Keystone Symposium "Cell plasticity within the tumor microenvironment", Big Sky, Montana.

2014 Radiation Research Society Annual International Meeting, Las Vegas, NV.

Recent Publications

Peer Reviewed Publications

Plitas G, Konopacki C, Wu K, **Bos PD**, Morrow M and Rudensky AY. (**2016**) "*Distinct features of regulatory T cells in human breast cancer*", Immunity, 45(5):1122-1134. PMID: 27851913

Bos PD. (**2016**) "*Treg cells in cancer: beyond classical immunological control*" Immunological Investigations. Invited review, 45(8):721-28. PMID:27759466

Bos PD*, Plitas G*, Rudra D, Lee SY, and Rudensky AY (*equal contribution) **(2013)** *"Transient regulatory T cell ablation deters oncogene-driven breast cancer*

and enhances radiotherapy", Journal of Experimental Medicine 210(11):2435-66. PMID: 24127486

adaptive control of NK cell homeostasis", Journal of Experimental Medicine 210(6):1179-87. PMID: 23650439

Bos PD* and Rudensky AY* (*co-corresponding authors) **(2012)** *"Treg cells in cancer: a case of multiple personality disorder",* Science Translational Medicine 4(164):164fs44 PMID: 23241741

Bos PD, Nguyen DX and Massagué J **(2010)** *"Modeling metastasis in the mouse",* Current Opinion in Pharmacology 10:571-7. PMCID: PMC2952835

Bos PD, Zhang HFX, Nadal C, Shu W, Gomis RR, Nguyen DX, Minn DX, van de Vijver MJ, Gerald WJ, Foekens JA, Massagué J **(2009)** *"Genes that mediate breast cancer metastasis to the brain"*, Nature 459:1005-9. PMCID: PMC2698953.

Nguyen DX, **Bos PD**, Massagué J **(2009)** *"Metastasis: from dissemination to organ-specific colonization"*, Nature Reviews Cancer 9:274-84.

Gupta GP, Nguyen DX, Chiang AC, **Bos PD**, Kim JY, Nadal C, Gomis RR, Manova-Todorova K, Massagué J **(2007)** *"Mediators of vascular remodelling co-opted for sequential steps in lung metastasis",* Nature 446:765-70

Minn AJ, Gupta GP, Siegel PM, **Bos PD**, Shu W, Giri DD, Viale A, Olshen AB, Gerald WL, Massagué J **(2005)** *" Genes that mediate breast cancer metastasis to lung",* Nature 436:518-24

Book Chapters

Clark, NM and **Bos, PD.** (2018) *"Tumor-Associated Macrophage isolation and in vivo analysis of their tumor promoting activity",* Invited Book Chapter, Cancer Immunosurveillance: Methods and Protocols, Springer, in press.