

Paul M. Arnaboldi, Ph.D.

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Education

- Albany Medical College, Albany, NY, Center for Immunology and Microbial Disease
 - Ph.D. in Immunology -- May 2006
 - Dissertation: "Mucosal B cell Dysfunction in IgA Deficiency"
 - Mentor: Dennis W. Metzger, Ph.D.
- Albany Medical College, Albany, NY, Center for Immunology and Microbial Disease
 - M.S. in Immunology -- May 2002
- The College of Saint Rose, Albany, NY
 - B.A. in Biology -- May 1999

Experience

- Assistant Professor, New York Medical College, Valhalla, NY (August 2016-Present)
 - Mucosal Vaccine development to combat healthcare acquired infection with *Pseudomonas aeruginosa*
 - Mucosal vaccine development to combat the biowarfare agent and natural infection with *Yersinia pestis*
 - Defining the immunopathology of *Babesia microti* infection to identify underlying risk factors for development of severe disease, and potential targets for therapeutic intervention
 - Identifying and evaluating novel antigens for a vaccine to protect from Lyme disease
- Research Assistant Professor, New York Medical College, Valhalla, NY (July 2011-August 2016)
 - Principal investigator studying the mechanisms of regulatory T cell induction and function under homeostatic and inflammatory conditions in tolerance and disease.
 - Principal investigator for the development experimental mucosal vaccines for *Yersinia pestis*.
 - Manage laboratory operations including overseeing all research projects, training of research personnel, conducting experiments, preparing manuscripts for publication, and submitting grants to the NIH to obtain funding.
- Senior Research Scientist, Biopeptides, Corp, Valhalla, NY (July 2011-Present)
 - Principal investigator for the development of novel immunodiagnostic assays for tick-borne diseases (Lyme disease, anaplasmosis, babesiosis).
 - Developing a point of care serological assay for the serological detection of early Lyme disease (in association with the DiCarlo lab at UCLA)
 - Identified seroassays targets for the serological detection of Lyme disease, submitted to FDA. (In association with Bio-Rad Laboratories)
 - Created a first-in-class cytokine release assay for the laboratory diagnosis of Lyme disease and monitoring of treatment efficacy. (In association with Qiagen and DiaSorin)
 - Developing an antigen capture assay to screen for *Babesia microti* in donor blood
- Postdoctoral Fellow, Mount Sinai School of Medicine, New York, NY (September 2005-June 2011)

- Created a novel animal model for the study of antigen specific regulatory T cell subsets health and disease
- Competed for and obtain a National Research Service Award (NRSA) from the NIH.
- Purified intestinal epithelial cells and lamina propria lymphocytes from biopsies and tissue resections of patients with Crohn's disease and ulcerative colitis. Experience with mouse models of colitis.
- Graduate Student, Albany Medical College, Albany, NY (August 1999-June 2005)
 - Utilized a mouse model of human asthma to evaluate the antibody dependent and antibody independent role of B cells in disease pathogenesis.
 - Evaluated the efficacy and safety of experimental vaccine adjuvants

Publications

- **Arnaboldi PM**, D'Arco C, Hefter Y, Nolan SM, Jobe DA, Callister SM, and Dattwyler RJ. "Detection of IFN- γ Secretion in Blood Samples Collected Before and After Treatment of Varying Stages of Lyme Disease." *Clin. Infect Dis.* 2021 May 27;ciab503. doi: 10.1093/cid/ciab503.
- D'Arco C, McCormick AA, **Arnaboldi PM**. "Single-dose intranasal subunit vaccine rapidly clears secondary sepsis in a high-dose pneumonic plague infection." *Vaccine.* 2021 Mar 1;39(9):1435-1444. doi: 10.1016/j.vaccine.2021.01.040. Epub 2021 Jan 30.
- Mosel MR, Aucott, J, Schutzer SE, Marques, A, **Arnaboldi PM**, Dattwyler R, Eshoo, MW. "Chapter 22: Lyme Disease Diagnostics." *Lyme Disease and Relapsing Fever Spirochetes*. Edited by Justin D. Radolf and D. Scott Samuels. Caister Academic Press, Jan 2021. 665-684.
- Gomes-Solecki, M., **Arnaboldi, P. M.**, Backenson, P. B., Benach, J. L., Cooper, C. L., Dattwyler, R. J., Diuk-Wasser, M., Fikrig, E., Hovius, J. W., Laegreid, W., Lundberg, U., Marconi, R. T., Marques, A. R., Molloy, P., Narasimhan, S., Pal, U., Pedra, J., Plotkin, S., Rock, D. L., Rosa, P., ... Schutzer, S. E. (2020). "Protective Immunity and New Vaccines for Lyme Disease." *Clin. Infect. Dis.*, 70(8), 1768–1773. <https://doi.org/10.1093/cid/ciz872>
- Joung HA, Ballard ZS, Wu J, Tseng DK, Teshome H, Zhang L, Horn EJ, **Arnaboldi PM**, Dattwyler RJ, Garner OB, Di Carlo D, Ozcan A. "Point-of-Care Serodiagnostic Test for Early-Stage Lyme Disease Using a Multiplexed Paper-Based Immunoassay and Machine Learning." *ACS Nano.* 2020 Jan 28;14(1):229-240. doi: 10.1021/acsnano.9b08151. Epub 2019 Dec 18.
- Toumanios, C, Prisco, L, Dattwyler RJ, and **Arnaboldi, PM**. "Linear B cell epitopes derived from the multifunctional surface lipoprotein BBK32 as targets for the serodiagnosis of Lyme disease." *mSphere.* 2019 May 1;4(3). pii: e00111-19. doi: 10.1128/mSphere.00111-19.
- Skariah S, **Arnaboldi PM**, Dattwyler RJ, Sultan AA, Gaylets C, Walwyn O, Mulhall H, Wu Z, Dargham SR, Mordue DG. "Elimination of *Babesia microti* is dependent on intraerythrocytic killing and CD4+ T cells." *Journal of Immunology.* 2017 Jul 15;199(2):633-642.
- D'Arco C, Dattwyler RJ, **Arnaboldi PM**. "*Borrelia burgdorferi*-specific IgA in Lyme Disease." *EBioMedicine.* 2017 May; 19:91-97.
- **Arnaboldi PM**, Sambir M, D'Arco C, Peters LA, Seegers JF, Mayer L, McCormick AA, Dattwyler RJ. "Intranasal delivery of a protein subunit vaccine using a Tobacco Mosaic Virus platform protects against pneumonic plague". *Vaccine.* 2016 Nov 11;34(47):5768-5776.

- Callister SM, Jobe DA, Stuparic-Stancic A, Miyamasu M, Boyle J, Dattwyler RJ, **Arnaboldi PM**. "Detection of IFN γ Secretion by T cells Collected Before and After Successful Treatment of Early Lyme Disease." Clinical Infectious Diseases. 2016 May 15, 62(10): 1235-41.
- Lahey LJ, Panas MW, Mao R, Delanoy M, Flanagan JJ, Binder SR, Rebman AW, Montoya JG, Soloski MJ, Steere AC, Dattwyler RJ, **Arnaboldi PM**, Aucott JN, Robinson WH. "Development of a Multiantigen Panel for Improved Detection of *Borrelia burgdorferi* Infection in Early Lyme Disease." Journal of Clinical Microbiology. 2015 Dec, 53(12):3834-41.
- **Arnaboldi PM** and Raymond J. Dattwyler. "Cross-Reactive Epitopes in *Borrelia burgdorferi* p66." Clinical and Vaccine Immunology. 2015 Jul, 22(7):840-3.
- Dattwyler, Raymond J, and **Paul M. Arnaboldi**. "Comparison of Lyme disease serologic assays and 'Lyme specialty laboratories'." Clinical Infectious Diseases. 2014 Dec 15, 59(12):1711-3.
- **Arnaboldi PM**, Mariya Sambir, and Raymond J. Dattwyler. "Decorin binding proteins A and B in the serodiagnosis of Lyme disease in North America." Clinical and Vaccine Immunology. 2014 Oct, 21(10):1426-36.
- Signorino, Giacomo, **Paul M Arnaboldi**, Mary M. Petzke., and Raymond J. Dattwyler. "Identification of OppA2 linear epitopes as serodiagnostic markers for Lyme disease." Clinical and Vaccine Immunology. 2014, May;21(5):704-11.
- Jianjun Yang, Zhang R, Lu G, Shen Y, Peng L, Zhu C, Cui M, Wang W, **Arnaboldi P**, Tang M, Gupta M, Qi CF, Jayaraman P, Zhu H, Jiang B, Chen SH, He JC, Ting AT, Zhou MM, Kuchroo VK, Morse HC 3rd, Ozato K, Sikora AG, Xiong H. "T cell–derived inducible nitric oxide synthase switches off Th17 cell differentiation." Journal of Experimental Medicine. 2013 Jul 1;210(7):1447-62.
- **Arnaboldi PM**, Seedarnee R, Sambir M, Callister SM, Imperato JA, Dattwyler RJ. "Outer surface protein C peptide derived from *Borrelia burgdorferi sensu stricto* as a target for serodiagnosis of early Lyme disease." Clinical and Vaccine Immunology. 2013 Apr;20(4):474-81.
- Ouyang, Xinshou, Zhuoshun Yang, Ruihua Zhang, **Paul Arnaboldi**, Qingshan Li, Biao Zhang, Huafeng Zhang, Jane Liang-Chen, Lihui Qin, Feng Zheng, Weidong Wang, Geming Lu, Miao Cui, and Huabao Xiong. "Potentiation of Th17 cytokines in aging process contributes to the development of colitis." Cellular Immunology 2011;266(2):208-17..
- **Arnaboldi, Paul M.**, Franziska Roth-Walter, and Lloyd Mayer. "Suppression of Th1 and Th17, but not Th2, responses in a CD8+ T cell-mediated model of oral tolerance" Mucosal Immunology. 2009 Sept;2(5):427-438.
- Dahan, Stephanie, Franziska Roth-Walter, Andrea P. Martin, **Paul M. Arnaboldi**, and Lloyd Mayer. "Lymphoepithelial Interactions: A new paradigm" Annals of the New York Academy of Sciences. 2009 May;1165:323-6.
- Roth-Walter, F., M.C. Berin, **P. Arnaboldi**, C.R. Escalante, S. Dahan, J. Rauch, E. Jensen-Jarolim, and L. Mayer. "Pasteurization of milk proteins promotes allergic sensitization by enhancing uptake through Peyer's patches" Allergy. 2008 Jul;63(7):882-90.
- Shang, Limin, Masayuki Fukata, Nanthakuma Thirunarayanan, Andrea P. Martin, **Paul Arnaboldi**, David Maussang, M. Cecilia Berin, Jay C. Unkless, Lloyd Mayer, Maria T. Abreu, and Sergio Lira. "TLR signaling in small intestinal epithelium promotes B cell recruitment and IgA production in lamina propria" Gastroenterology. 2008 Aug;135(2):529-38.

- Dahan, Stephanie, Franziska Roth-Walter, **Paul M. Arnaboldi**, Shradha Agarwal, and Lloyd Mayer. "Epithelia: Lymphocyte Interactions in the Gut" Immunological Reviews. 2007 Feb;215:243-53. Review.
- **Arnaboldi, Paul M.**, Melissa J. Behr, and Dennis W. Metzger. "Mucosal B cell Deficiency in IgA^{-/-} mice Abrogates the Development of Allergic Lung Inflammation" Journal of Immunology. 2005 Jul 15;175(2):1276-85.
- Huber, Victor C., Bernard P. Arulanandam, **Paul M. Arnaboldi**, Monica K. Elmore, Christine E. Sheehan, Bhaskar V. S. Kallakury and Dennis W. Metzger. "Delivery of IL-12 Intranasally leads to reduced IL-12-mediated toxicity" International Immunopharmacology. 2003 Jun;3(6): 801-9.

Funding Obtained

- **Arnaboldi, Paul M (PI)**, "A Novel Mucosal Vaccine for *Pseudomonas aeruginosa* Infection." (R21 AI164233) \$444,989.00 02/01/2022-01/31/2024.
 - Aim #1: Mucosal vaccination with TMV-conjugates induces humoral and cell-mediated cellular immunity.
 - Aim #2: A multi-valent IN vaccine can protect mice against both respiratory and systemic infection with *P. aeruginosa*
- **Arnaboldi, Paul M (PI)**, "A peptide-based point-of-care vertical flow assay for the rapid diagnosis of Lyme disease" (R44 AI150060), \$3,257,720 06/24/2020-06/30/2024
 - Phase I: Aim #1: Evaluate individual peptide epitopes for use as targets for a point of care assay
 - Phase I: Aim #2: Perform preliminary screening of potential targets in VFA format.
 - Phase II: Aim #3: Optimize peptides for membrane binding and *Bb* specific antibody recognition.
 - Phase II: Aim #4: Perform efficacy testing of a prototype VFA assay using machine learning to identify a smart-panel of peptides.
- **Arnaboldi, Paul M (co-investigator)** "Analysis of the peripheral blood transcriptome to identify clinical correlates of pathology in patients with babesiosis" (TB190097, DOD; Mordue, PI), \$442,621 8/1/2020-07/31/2022
 - Aim #1: Identify host and parasite biomarkers indicative of parasite replication versus parasite killing using a timed infection model of babesiosis
 - Aim #2: Identify parasite and host signatures of human babesiosis including correlates of disease severity
- **Arnaboldi, Paul M (PI)**, "An Antigen-Capture Assay to Screen Donated Blood for *Babesia microti*" (R43 AI142877), \$599,624.96, 01/01/2019-11/30/2021.
 - Aim #1: Optimize a prototype antigen capture assay for *Babesia*
 - Aim #2: Performance testing of a prototype assay using clinical samples
- **Arnaboldi, Paul M (PI)**, "Development of a Protective Mucosal Vaccine for *Pseudomonas aeruginosa*" Touro College and University System (Seed Grant), \$54,994.00, 07/01/18-12/31/2020.
 - Aim#1- Produce a prototype TMV-PcrV conjugate vaccine for *Pseudomonas aeruginosa*
 - Aim#2- Test the efficacy of TMV-PcrV against pneumonic and systemic infection with *P. aeruginosa*

- **Arnaboldi, Paul M (PI)**, “Development of a cytokine release assay for the diagnosis of Lyme disease” (R44 AI102435), \$1,210,734, 06/15/2016-05/31/2018
 - Aim #1: Selection of additional peptide-epitopes that stimulate release of IFN γ from T cells activated in response to infection with *Borrelia* spp.
 - Aim #2: Confirm specificity by evaluating samples from patients with potential cross-reactive illnesses.
 - Aim #3 Evaluate the performance of a QuantiFERON-like test before and after treatment of all stages of Lyme disease
- **Arnaboldi, Paul M (PI)**, “A Rapid Point-of-Care Assay for the Diagnosis of Lyme Disease” (R43 AI120364), NIH/NIAID, \$151,776, 6/10/2016-11/30/2016
 - Aim#1-To define peptide-epitope combinations that are effective for the detection of early and late Lyme disease in a POC format.
 - Aim#2-To test the efficacy of a prototype POC assay containing peptide-epitope mixes in direct comparison to existing Lyme disease laboratory diagnostics.
- **Arnaboldi, Paul M (PI)**, “Peptide-based Multiplex Assay for Lyme disease Serodiagnosis” (R43 AI122399), NIH/NIAID, \$176,282, 01/01/2016-06/30/2016.
 - Aim#1-Define the optimal candidate peptides for early and late Lyme disease
 - Aim#2-Compare our Luminex assay to the Trinity Elisa, C6 Elisa, and western blot in blinded serum samples from CDC.
- **Arnaboldi, Paul M (PI)**, “Development of a Cytokine Release Assay as a Diagnostic Test for Lyme Disease” (R43 AI102435), NIH/NIAID, \$600,000, 06/01/12-05/31/14.
 - Aim#1-To identify candidate peptide epitopes that induce the secretion of cytokines in Lyme disease patient blood samples.
 - Aim#2-To optimize peptide epitopes and combine them into a preliminary multi-peptide diagnostic test for Lyme disease.
- **Arnaboldi, Paul M (PI)**, “Requirements for the Generation of Enteric CD8+ Regulatory T Cells,” NYMC Intramural Grant Award (49 464-1), \$10,000, 01/05/12-01/04/13.
 - Aim#1-To test the hypothesis that CD8+ Treg generation occurs via antigen presentation in the MLN.
 - Aim#2-To test the hypothesis that CD8+ Tregs require cell contact to suppress inflammation.
- **Arnaboldi, Paul M (PI)**, “The Role of CD8+ T cells in Oral Tolerance” (F32 AI074269), NIH/NIAID, \$105,064, 07/01/09-06/30/11.
 - Aim #1-Assess the distribution of peptide and protein antigens following antigen feeding
 - Aim#2-Perform a phenotypic analysis of CD8+ Tregs and identify potential suppressive mechanisms
 - Aim#3-Examine a role for antigen affinity in CD8+ T suppressor generation

Teaching

- Medical Microbiology, NYMC School of Medicine, 2018-Present, 4 lectures, 50min per lecture

- Medical Microbiology Lab, NYMC School of Medicine, 2014-Present, 7 sessions, 2-3 hrs. per session
- General Microbiology II, NYMC Graduate School of Biomedical Sciences, 2018-Present (Course Co-director)
- General Microbiology II, NYMC Graduate School of Biomedical Sciences, 2014-Present, 4 lectures, 2hrs per lecture
- Microbiology and Immunology, Touro College of Dental Medicine, 2017-Present, 2 lectures, 50 minutes per lecture
- Infectious Diseases, New York College of Podiatric Medicine, 2018-Present, 2 lectures, 90 minutes per lecture
- Microbiology and Immunology, Touro College of Pharmacy, 2017, 4 sessions, 3hrs per session

Mentorship

PhD Students

- Adiya Katseff (Advisor, current)
- Christina D'Arco (Advisor, Graduated August 2020)
- Hannah Mulhall (Thesis Committee Chair, graduated May 2021)
- Sanjukta Chakraborty (Thesis Committee Member, graduated May 2020)
- Timothy O'Connell (Thesis Committee Member, graduated May 2018)
- Rudra Seedarnee (Thesis Committee Member, Mentored as rotating student, graduated May 2018)

Master's Research Thesis Students

- Ezdehar Ghazal (Advisor, Graduated May 2021)
- Eman Barahim (Advisor, Graduated May 2020)
- Anthony Centone (Thesis reader, Graduated May 2021)
- Amal Balahmar (Thesis reader, Graduated May 2020)
- Phillip Samayoa (Thesis reader, Graduated May 2018)
- Travis Shute (Advisor, Completed work May of 2020, never turned in the final copy of thesis)

Master's Literature Review Students

- Rama Ahmad-Ibrahim (Thesis reader, Graduated May 2020)
- Christopher Zammitti (Thesis reader, Graduated May 2019)
- Renee Schniadt (Thesis Reader, Graduated May 2015)

Other Trainees

- Andrew O'Kula (Dental student, summer research rotation)
- Kaci Kopec (PhD student rotation)
- Christina Toumanious (Undergrad STAR student, 2 years)
- Lauren Prisco (Undergrad STAR student)
- Josephine Imperato (Undergrad summer research student)

- Marc Skriloff (High School summer research rotation)
- Isabella Contreras (High School STAR student)
- Jennifer Coronel (High School STAR student)
- Samantha Taylor (High school summer research student)
- Gideon Cohen (High School research student at MSSM)

Patents

- Dattwyler, RJ and Arnaboldi PM. “Diagnostic Peptides for Lyme Disease.”
 - US9,816,991 Granted November 14th, 2017
 - EP2809348A4 Granted November 7th, 2018
 - ES2699812T3 Granted February 12th, 2019
 - CA2863661A Granted June 01st, 2020
- Dattwyler, RJ and Arnaboldi PM. “Peptides for Diagnosing Lyme Disease.”
 - US10,006,912, Granted June, 26th, 2018,
 - EP3077409A4 Granted April 1st, 2020.
- Callister, SM, Dattwyler, RJ, Arnaboldi, PM, et.al. “Compositions and Methods for Diagnosing Lyme Disease and for Predicting Lyme Disease Spirochete Elimination after Treatment”
 - US10,983,121 Granted April 20th 2021.
 - EP3353551A1 (pending)
 - CA2999078A (pending)
 - JP2018535813A Granted September 15th, 2021
 - AU2016328277A1 (pending)
 - CH202111067721.0 (pending)
 - KR20180066106 Published June, 18th, 2018
 - BR112018005584 Published October 16th, 2018
 - MX2018003454 Published August 15th, 2018
 - RU27500402 Granted June 21st, 2021

Awards

- NIH Training Grant **2T32DK07792** Trainee, Mount Sinai School of Medicine, 2006-2008
- NIH Training Grant **5T32AI049822** Trainee, Albany Medical College, 2003-2005
- 2004 FOCIS Travel Award, 12th International Congress of Immunology, 07/2004
- Deans Certificate and Prize in Recognition and Excellence in Research, Albany Medical College Student Awards Day, 03/2004
- The Richard Miller Alumni Prize for Most Outstanding Research Presentation, Albany Medical College Student Awards Day, 03/2004
- Investigators Award, 11th International Congress of Mucosal Immunology, 06/2003
- Travel Award, Keystone Conference: Rethinking the Pathogenesis of Asthma, 02/2002
- Freshman Merit Full Tuition Academic Scholarship, College of Saint Rose, 08/1995-05/1999

Memberships

- American Society for Microbiology, 2013-Present
- American Association of Immunologists, 2000-2011
- Society for Mucosal Immunology, 2005-2011

Presentations

Selected for Oral Presentations

International

- Paul M. Arnaboldi. "Research progress and challenges with Lyme disease diagnosis." 7th East-West Integrative Medical Symposium for Immunology & Wellness Clinical Practice, Science, & Technology, Valhalla, NY 7/2021
- Paul M. Arnaboldi. "Tobacco Mosaic Virus: using a naturally occurring plant virus to promote effective mucosal vaccination." 6th East-West Integrative Medical Symposium for Immunology & Wellness Clinical Practice, Science, & Technology, Valhalla, NY 7/2020
- Paul M. Arnaboldi. "Using peptide-based assays to improve the laboratory diagnosis of Lyme disease." Mastering Immunity, Boston, MA 9/2019.
- Travis Shute; Christina D'Arco; Alison A. McCormick, PhD; Raymond J. Dattwyler, MD; and Paul M. Arnaboldi, PhD. "A novel intranasal subunit vaccine for plague." 11th Vaccine Congress, San Diego, CA, 17-20 September 2017.
- Paul M. Arnaboldi, Steven M Callister, Dean A. Jobe, Aleksandra Stuparic-Stancic, Misato Miyamasu, Jeffery Boyle, and Raymond J. Dattwyler. "Antigen-induced cytokine release is both diagnostic and a possible measure of treatment efficacy for Lyme disease." 14th International Conference on Lyme Borreliosis and Other Tick-borne Diseases, Vienna, Austria, 27–30 September 2015.
- Arnaboldi, Paul M., Mariya Sambir, and Raymond J. Dattwyler. "*Borrelia burgdorferi* antigen epitope mapping and development of a multi-peptide seroassay for Lyme disease." 13th International Conference on Lyme Borreliosis and Other Tick-borne Diseases, Boston, MA, 18-21, August 2013.
- Arnaboldi, Paul M., Melissa J. Behr, and Dennis W. Metzger. "Lack of IgA Decreases the Severity of Disease in a Murine Model of Allergic Lung Inflammation." 12th International Congress of Immunology. Palais des congrès de Montréal, Montreal, Canada, 07/2004
- Arnaboldi, Paul M., and Dennis W. Metzger. "The Role of IgA in Allergic Lung Inflammation." 11th International Congress of Mucosal Immunology. Orlando, FL 06/2003.
- Arnaboldi, Paul M., Melissa J. Behr, and Dennis W. Metzger. "IgA Increases the Severity of Inflammation in a Murine Model of Allergic Lung Inflammation." Keystone Conference: The Regulation of Mucosal Inflammation. Keystone, CO, 04/2003.

Regional

- Arnaboldi, Paul M., Melissa J. Behr, and Dennis W. Metzger. "The Role of IgA in Allergic Lung Inflammation." 5th Annual Upstate New York Immunology Conference. Bolton Landing, NY, 11/2002.
- Arnaboldi, Paul M., and Dennis W. Metzger. "The Role of IgA in Allergic Lung Inflammation." 2nd Annual Immunology Meeting for Graduate Students. Cornell University, Ithaca, NY, 09/2002.

- Arnaboldi, Paul M., and Dennis W. Metzger. "The Role of IgA in Allergic Lung Inflammation." 1st Annual Immunology Meeting for Graduate Students. Cornell University, Ithaca, NY, 09/2001.

Selected for Poster Presentation

International

- Paul M. Arnaboldi, Christina D'Arco, Sheila Nolan, Yosefa Hefter, Steven M. Callister, Dean A. Jobe, Aleksandra Stuparic Stancic, and Raymond J. Dattwyler. Laboratory diagnosis and monitoring of treatment efficacy in Lyme disease using an IFN γ release assay." 15th International Conference on Lyme Borreliosis and Other Tick-borne Diseases. CDC, Atlanta, GA 9/2018.
- Arnaboldi, Paul M., and Lloyd Mayer. "Uptake of Antigen through Intestinal Epithelium Leads to the Generation of CD8+ Regulatory T Cells in the Mesenteric Lymph Node." 15th International Congress of Mucosal Immunology. Paris, France, 7/2011.
- Arnaboldi, Paul M., Franziska Roth-Walter, and Lloyd Mayer. "Suppression of Th1 and Th17, but not Th2, responses in a CD8+ T cell-mediated model of oral tolerance." 14th International Congress of Mucosal Immunology. Boston, MA, 7/2009.
- Arnaboldi, Paul M., Franziska Roth-Walter, and Lloyd Mayer. "The Role of CD8+ T cells in the Development of Oral Tolerance." Digestive Disease Week 2008. San Diego, CA, 5/2008.
- Arnaboldi, Paul M., Franziska Roth-Walter, and Lloyd Mayer. "The Role of CD8+ T cells in the Development of Oral Tolerance" 94th AAI Annual Meeting. Miami, FL, 5/2007.
- Arnaboldi, Paul M., and Dennis W. Metzger. "The Role of IgA in Allergic Lung Inflammation." Keystone Conference: Rethinking the Pathogenesis of Asthma. Santa Fe, NM, 02/2002.

National

- Arnaboldi, Paul M., Mariya Sambir, and Raymond Dattwyler. "Rapid F1 and Lcrv Antigen Capture Assay for Plague." ASM Biodefense and Emerging Diseases Research Meeting. Washington DC 1/2014.
- Shute, Travis; Christina D'Arco; Alison A. McCormick, PhD; Raymond J. Dattwyler, MD; and Paul M. Arnaboldi, PhD. "A novel intranasal vaccine for protection against plague." ASM Microbe. New Orleans 5/2017
- Arnaboldi, Paul M.; Christina D'Arco; and Raymond Dattwyler. "Peptide based assays for serodiagnosis of Lyme disease; detection of IgM, IgG, and IgA." ASM Microbe. New Orleans 5/2017

Regional

- Arnaboldi, Paul M., Melissa J. Behr, and Dennis W. Metzger. "Lack of IgA Decreases the Severity of Disease in a Murine Model of Allergic Lung Inflammation." 6th Annual Upstate New York Immunology Conference. Bolton Landing, NY, 11/2003.
- Arnaboldi, Paul M., and Dennis W. Metzger. "The Role of IgA in Allergic Lung Inflammation." 4th Annual Upstate New York Immunology Conference. Bolton Landing, NY, 11/2001.
- Arnaboldi, Paul M., Roberta H. Raeder, Dennis W. Metzger. "IL-12 Receptor Signaling in Murine B Cells." 3rd Annual Upstate New York Immunology Conference. Garnett Hill, NY, 11/2000.