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Bojan Polić, Rijeka
Sabina Rabatić, Zagreb
Asja Stipić Marković, Zagreb

Hrvatsko imunološko društvo

Vas poziva na predavanje

"The life and death of eosinophils"

koje će održati

Nives Zimmermann
M.D., Associate Professor

Division of Allergy and Immunology
Cincinnati Children's Hospital Medical Center
University of Cincinnati
Ohio, SAD

u četvrtak, 13. srpnja 2017., u 12.00 sati

seminarska dvorana, I. kat
Hrvatski institut za istraživanje mozga
Medicinski fakultet Sveučilišta u Zagrebu
Šalata 12, Zagreb



Ovu suradnju je potpomogla Hrvatska zaklada za znanost pod projektom broj 7406 – "Molekularni posrednici koštane resorpcije uvjetovane receptorom Fas".

Curriculum Vitae: NIVES ZIMMERMANN, M.D.

Associate professor of Pediatrics, University of Cincinnati College of Medicine, Cincinnati Children's Hospital Medical Center

RESEARCH FIELD: eosinophils, myeloid lineage cells, chemokines, cell death, asthma, allergy

TOTAL NUMBER OF RESEARCH PAPERS (NUMBER OF CITATIONS): 59 (2466)

EDUCATION

1995 M.D. University of Zagreb School of Medicine

EMPLOYMENT HISTORY

2008-present Associate Professor of Pediatrics, University of Cincinnati College of Medicine, Cincinnati Children's Hospital Medical Center

2002-2008 Assistant Professor of Pediatrics, University of Cincinnati College of Medicine, Children's Hospital Medical Center

1999-2002 Instructor of Pediatrics, University of Cincinnati College of Medicine, Children's Hospital Medical Center, Cincinnati, Ohio

PROFESSIONAL MEMBERSHIPS

American Academy of Allergy, Asthma and Immunology

American Association of Immunologists

American Heart Association, Cardiovascular Sciences

National Academy of Inventors: Cincinnati Chapter, charter member

AWARDS AND HONORS

1992 Dean's Award, University of Zagreb

1994 Summer student program, Karyn Kupcinec International Science School; Dr. Avner Yayon, Department of Chemical Immunology, Weizmann Institute of Science, Rehovot, Israel

1999 Symposia funded scholarship, Keystone Symposia

2004 Woman physician in allergy junior faculty development award (special recognition)

2014 ARTrust™ and Donald Y. M. Leung, MD PhD FAAAAI-JACI Lecture: Investing Together in Our Future award

RECENT RESEARCH SUPPORT

2013-2015 NIH/NIAID "Molecular mechanism of eosinophil cell death", Role: Principal Investigator

2010-2012 NIH/NIAID "Role for acidity and GPR65 in food allergy", Role: Principal Investigator

2010-2012 NIH/NIAID "ALA/AAAAI Allergic Respiratory Diseases Award Mechanisms of airway acidification in asthma", Role: Principal Investigator

2010-2012 Department of Defense (PI: Rothenberg, Marc) "Candidate Gene Approach for Eosinophilic Esophagitis" Role:Co-Investigator

2009-2011 NIH/NIAID"Role of Acidic Environment in Eosinophilic Inflammation", Role: Principal Investigator

2007-2010 Dana Foundation (Bochner, Bruce) "Novel genetic and therapeutic approaches focusing on Siglec-8 for the diagnosis and treatment of human idiopathic eosinophilic disorders", Role:Co-Investigator

RECENT RESEARCH PAPERS

1. Kano G, Bochner BS, Zimmermann N. Regulation of Siglec-8-induced intracellular reactive oxygen species production and eosinophil cell death by Src family kinases. *Immunobiology*. 2017 Feb;222(2):343-349. doi: 10.1016/j.imbio.2016.09.006. Epub 2016 Sep 20.
2. Zhu X, Hogan SP, Molkentin JD, Zimmermann N. Cyclophilin D regulates necrosis, but not apoptosis, of murine eosinophils. *Am J Physiol Gastrointest Liver Physiol*. 2016 Apr 15;310(8):G609-17. doi: 10.1152/ajpgi.00389.2015. Epub 2016 Feb 18.
3. Zimmermann N, Rothenberg ME. Mechanism of enhanced eosinophil survival in inflammation. *Blood* 2015 Jun 18;125(25):3831-2.
4. Wen T, Mingler MK, Wahl B, Khorki ME, Pabst O, Zimmermann N, Rothenberg ME. Carbonic anhydrase IV is expressed on IL-5-activated murine eosinophils. *J Immunol*. 2014 Jun 15;192(12):5481-9
5. Zhu X, Mose E, Hogan SP, Zimmermann N. Differential eosinophil and mast cell regulation: mast cell viability and accumulation in inflammatory tissue are independent of proton-sensing receptor GPR65. *Am J Physiol Gastrointest Liver Physiol*. 2014 Jun 1;306(11):G974-82.
6. Mao H, Kano G, Hudson SA, Brummet M, Zimmermann N, Zhu Z, Bochner BS. Mechanisms of Siglec-F-Induced Eosinophil Apoptosis: A Role for Caspases but Not for SHP-1, Src Kinases, NADPH Oxidase or Reactive Oxygen. *PLoS One*. 2013 Jun 28;8(6)
7. Kano G, Almanan M, Bochner B, Zimmermann N. Mechanism of Siglec-8-mediated Cell Death in IL-5-activated Eosinophils: Role for ROS-enhanced MEK/ERK Activation. *J Allergy Clin Immunol*. 2013; 132: 437-45.
8. Collison A, Hatchwell L, Verrills N, Wark PA, de Siqueira AP, Tooze M, Carpenter H, Don AS, Morris JC, Zimmermann N, Bartlett NW, Rothenberg ME, Johnston SL, Foster PS, Mattes J. The E3 ubiquitin ligase midline 1 promotes allergen and rhinovirus-induced asthma by inhibiting protein phosphatase 2A activity. *Nat Med*. 2013 Feb;19(2):232-7.
9. Herbert DR, Orekov T, Roloson A, Ilies M, Perkins C, O'Brien W, Cederbaum S, Christianson DW, Zimmermann N, Rothenberg ME, Finkelman FD. Arginase I suppresses IL-12/IL-23p40-driven intestinal inflammation during acute schistosomiasis. *J Immunol*. 2010;184(11):6438-46.
10. Kottyan LC, Collier AR, Cao KH, Niese KA, Hedgebeth M, Radu CG, Witte ON, Khurana Hershey G, Rothenberg ME, Zimmermann N. Eosinophil viability is increased by acidic pH in a cAMP and GPR65-dependent manner. *Blood*. 2009; 114(13):2774-82.