Poster #	Title	Presenter	Institution
1	Alpha Fetoprotein Levels in Ataxia Telangiectasia as Related to Age, Disease Characteristics and Outcomes	Ariela Agress	Westchester Medical Center
2	Human PLCG2 Haploinsufficiency Results in NK Cell Immunodeficiency and Herpesvirus Susceptibility	Joshua Alinger	St. Louis Children's Hospital
3	Immune Dysregulation: Diagnosis of Behcets Disease in an Affected Chronic Granulomatous Disease Carrier	Aba Al-Kaabi	University of Kansas Medical Center
4	Risk of Bacterial Infections Among Patients with Secondary Complement Deficiency	Taha Al-Shaikhly	Division of Allergy & infectious Diseases, University of Washington
5	Benign Reactive Gamma Delta T Cells Proliferation in Spleen – “The Mirage Effect”	Snegha Ananth	UTHSCSA
6	Infective Endocarditis, Osteomyelitis of Skull and Invasive Aspergillosis in a Child with Chronic Granulomatous Disease	Gummadi Anjani	Postgraduate Institute Of Medical Education and Research
7	Fertility, Pregnancy, and Progeny Outcomes in a Large Academic Cohort of Patients with Antibody Deficiencies	Carolyn Baloh	Duke University Medical Center
8	T-cell Receptor Repertoire Clonality in Peripheral Blood and Affected Tissue in Activated PI3 Kinase Delta Syndrome (APDS)	Sara Barmettler	Massachusetts General Hospital
9	Deficiency of Adenosine Deaminase 2: An Expanding Spectrum of Disease	Jenna Bergerson	NIH/NIAID/LCIM

10	A Family with Hypogammaglobulinemia, ACTH Deficiency, Ectodermal Dysplasia and a Novel NFKB2 Mutation	Marc Bienias	Department of Pediatrics, Medizinische Fakultät Carl Gustav Carus, Technische Universität Dresden
11	Isolated Central Nervous System Disease in Familial Hemophagocytic Lymphohistiocytosis – a Multicenter Case Series	Annaliesse Blincoe	CHU Sainte-Justine, University of Montreal
12	Artificial Thymic Organoids Represent a Reliable and Quick Tool to Study T Cell Differentiation in Human Bone Marrow Samples from Patients with Severe T Cell Immunodeficiency	Marita Bosticardo	Laboratory of Clinical Immunology and Microbiology, IDGS, DIR, NIAID, NIH
13	A Demonstration of the Diagnostic and Clinical Utility of Genomic Sequencing in Primary Immunodeficiency Diseases in Australia	Vanessa Bryant	Walter & Eliza Hall Institute/Royal Melbourne Hospital
14	American Society of Pediatric Hematology and Oncology (ASPHO) Clinical Immunology Special Interest Group (SIG): Expanding Clinical Immunology Education, Research and Care	David Buchbinder	Children's Hospital of Orange County & University of California at Irvine
15	A Case of Immunodeficiency, Centromeric Instability, and Facial Anomalies Syndrome (ICF) with NK Deficiency and Subsequent EBV-driven Diffuse Large B-cell Lymphoma Treated with Bone Marrow Transplant	Caitlin Burk	UPMC Children's Hospital of Pittsburgh
16	Human STAT5 Deficiency Results in an Increase of Follicular T Cells Leading to Expanded Germinal Center B Cells and Autoimmunity	Maria Caldirola	Grupo de Inmunología Hospital de Niños "R.Gutierrez"- IMIPP-CONICET, Buenos Aires-Argentina
17	Genotype-phenotype Correlation in Human RAG1 Deficiency	Enrica Calzoni	Laboratory of Clinical Immunology and Microbiology, IDGS, DIR, NIAID, NIH
18	Sexual Dimorphism and AIRE-AIRE Interactors-miRNA Coexpression Networks in the Infant Human Thymus	Magda Carneiro-Sampaio	Department of Pediatrics, Faculdade de Medicina da Universidade de Sao Paulo
19	Yellow Fever: Is It Possible to Vaccinate Patients with IgA Deficiency?	Magda Carneiro-Sampaio	Department of Pediatrics, Faculdade de Medicina da Universidade de Sao Paulo

20	Characterization of Gut Inflammation and Autoimmunity in Mice Carrying Rag1 Hypomorphic Mutations	Riccardo Castagnoli	National Institute of Allergy and Infectious Diseases, National Institutes of Health & University of Pavia
21	HSCT Utilizing Related Carrier Donor for CD40 Ligand Deficiency	Shanmuganathan Chandrakasan	Children's Healthcare of Atlanta, Emory University
22	Longitudinal Follow up of EBV-driven Lymphoproliferative Disease and Combined Immunodeficiency in RASGRP1 Deficiency: Successful Treatment and Allogenic Matched Unrelated Bone Marrow Transplant	Alice Chau	University of Washington
23	T and NK Cell Dysfunction Arising from BCL11B Deficiency	Samuel Chiang	Cincinnati Children’s Hospital Medical Center
24	Treatment-resistant Autoimmune Cytopenias as a Sign of Primary Immunodeficiency Disorders (PIDs)	Sara Ciullini Mannurita	University of Florence, Dep. Neurosciences, Psychology, Drug Research and Child Health (NEUROFARBA), Florence, Italy.
25	Multigenicity of the Deficit of the Immune System: Novel Frontiers of Primary Immunodeficiencies (PIDs)	Sara Ciullini Mannurita	University of Florence, Dep. Neurosciences, Psychology, Drug Research and Child Health (NEUROFARBA), Florence, Italy.
26	Specific Functional Gammopathy Underlying Infectious Susceptibility in a Patient with Autoimmune-Polyendocrinopathy-Candidiasis-Ectodermal Dystrophy (APECED)	Gregory Constantine	Fungal Pathogenesis Section, Laboratory of Clinical Immunology & Microbiology (LCIM) , National Institute of Allergy & Infectious Diseases (NIAID), NIH
27	Defective B Cell Fitness Impairs Mutation Away from Self and Sustains Red Blood Cell Reactivity in Hypomorphic RAG Deficiency	Krisztian Csomos	University of South Florida
28	A Case of Autoinflammatory Syndrome with Osteoporosis and Specific Antibody Deficiency	Irina Dawson	Children's Research Institute, University of South Florida
29	Anti-cytokine Antibodies Emerge After Viral Infections and Persist in Patients in Partial RAG Deficiency	Irina Dawson	Children's Research Institute, University of South Florida

30	Immunomodulatory Effects of Immunoglobulin Replacement Therapy on T-cells in Patients with Hypogammaglobulinemia	Tri Dinh	University of Ottawa
31	Rapid Identification of Patients with RAG Mutations Using Valpha 7.2 Antibody	Kerry Dobbs	Laboratory of Clinical Immunology and Microbiology, NIAID, NIH
32	Sphingosine-1-phosphate Lyase Deficiency Identified by Newborn T Cell Receptor Excision Circle Screening for Severe Combined Immunodeficiency	Cullen Dutmer	Children's Hospital Colorado - University of Colorado School of Medicine
33	Abnormal B Cell Function in WHIM Syndrome	Maryssa Ellison	University of South Florida
34	Encephalopathy in an Adolescent with CD40-ligand Deficiency	Elizabeth Feuille	Weill Cornell Medicine
35	Clinical Phenotyping of a DOCK8 Deficiency Cohort	Alexandra Freeman	National Institutes of Health
36	Expanding Phenotypes: A Complex Case of an Adult Patient with DNA Repair Defect and Immunodeficiency	Claudia Gaefke	University of South Florida, Division of Allergy and Immunology
37	Novel CDC42 Mutation Causes Severe Autoinflammatory Syndrome Responsive to IL-1 Inhibition	Yael Gernez	Stanford School of Medicine
38	Unexpected Diagnosis in a Family with Autoimmune Multilineage Cytopenia and Hypogammaglobulinemia	Yael Gernez	Stanford School of Medicine
39	Extreme Phenotypes, Identical Mutations: Two Patients with Same Nonsense XLF/Cernunnos Homozygous Mutation	Luis Gonzalez-Granado	Hospital 12 de Octubre

40	Guidance for the Care of Patients Undergoing Cultured Thymus Tissue Transplantation (RVT-802)	Stephanie Gupton	Division of Allergy, Immunology and Pulmonary, Duke University Medical Center
41	Smoldering Hemophagocytic Lymphohistiocytosis Secondary to Compound Heterozygous Variants in SLCA7 Treated with Anakinra	Nicholas Hartog	Helen DeVos Children's Hospital and Michigan State University
42	What We Are Missing with PID Exomes, Including Poorly Covered Exons	Sarah Henrickson	Children's Hospital of Phildadelphia
43	Clinical and Laboratory Features of Thymoma and Immunodeficiency (Good's Syndrome): A Report from the USIDNET Registry and the Mount Sinai Hospital Cohort	Hsi-en Ho	Icahn School of Medicine at Mount Sinai
44	Show Me the Phenotype: The Ordering Clinician’s Role in Genetic Variant Interpretation for Primary Immunodeficiency Diseases	Jennifer Holle	Invitae
45	Droplet Digital PCR Analysis of GATA2 Deficiency	Amy Hsu	NIH
46	Missense Variants as a Contributing Cause to DOCK8 Immune Deficiency	Haley Hullfish	National Institute of Allergy and Infectious Disease (NIAID)
47	IgD Class Switched B Cells in Patients with Common Variable Immunodeficiency	Taissa Kasahara	State University of Rio de Janeiro and University of Californis Irvine
48	Allogeneic Hematopoietic Stem Cell Transplant Outcomes for Patients with Dominant-Negative IKFZ1/IKAROS Mutations	Erinn Kellner	Division of Bone Marrow Transplantation and Immune Deficiency, Cincinnati Children’s Hospital Medical Center
49	Reduced-intensity, T Cell-replete, Alternative Donor Allogeneic Hematopoietic Cell Transplantation with Post-transplantation Cyclophosphamide Is Safe and Effective for Primary Immune Deficiencies	Orly Klein	Johns Hopkins University School of Medicine

50	Primary Immune Deficiency Disease in Patients over Age 60: An Analysis from a Proprietary Immunology Patient Registry	Roger Kobayashi	Allergy Asthma & Immunology Associates
51	Autologous Ex Vivo Lentiviral Gene Therapy for the Treatment of Severe Combined Immune Deficiency Due to Adenosine Deaminase Deficiency	Donald Kohn	UCLA
52	Autologous Ex Vivo Lentiviral Gene Therapy for the Treatment of Severe Combined Immune Deficiency Due to Adenosine Deaminase Deficiency Improves B Cell Function	Donald Kohn	UCLA
53	Quality of Life in Adult Patients with Chronic Granulomatous Disease	Samantha Kreuzburg	National Institutes of Health/National Institute of Allergy and Infectious Diseases
54	A Novel Germline IKAROS C-terminal Mutation in a Patient with Burkitt Lymphoma, Lymphoproliferation and Cytopenias	Hye Sun Kuehn	Immunology Service, Department of Laboratory Medicine, Clinical Center, NIH
55	Nucleus-retained WASP Is Deleterious to T-cell Development	Carole Le Coz	Children's Hospital of Phildadelphia
56	Dosing Ruxolitinib for the Treatment of Immunodysregulation in STAT1-GOF	Jennifer Leiding	University of South Florida
57	Telomeres in Schimke Immuno-Osseous Dysplasia: Comparing Telomere Length in Individuals with Homozygous and Heterozygous SMARCAL1 Mutations	Elizabeth Lippner	Stanford University Medicine & Lucile Packard Children's Hospital
58	The Forest and the Trees: Machine Learning to Classify Cases of Suspected Inborn Errors of Immunity Using Decision Tree and Random Forest Algorithms	Saul Lugo Reyes	Immunodeficiencies Research Unit, National Institute of Pediatrics, Mexico City
59	Failing to Make Ends Meet: The Broad Clinical Spectrum of DNA Ligase IV Deficiency Case Series and Review of the Literature	Saul Lugo Reyes	Immunodeficiencies Research Unit, National Institute of Pediatrics, Mexico City

60	Immunological and Genetic Outcomes of Infants with Positive Newborn Screening for Severe Combined Immunodeficiency (SCID)	Vasudha Mantravadi	Department of Pediatrics, Washington University School of Medicine, St. Louis, Missouri, 63110
61	Quercetin Halts Abnormal IL-1beta and IL-18 Production: A Natural Calm for XIAP Deficiency?	Rebecca Marsh	Cincinnati Children's Hospital Medical Center
62	Granulomatous Disease and Lymphoma in a Cohort of 1395 Patients with CVID in the USIDNET Registry	Joao Pedro Matias Lopes	Icahn School of Medicine at Mount Sinai
63	FAS-mediated Apoptosis Assay in Patients with ALPS/ALPS-like Phenotype Carrying CASP10 mutations	Maurizio Miano	IRCCS Istituto Giannina Gaslini
64	Osteomyelitis in Chronic Granulomatous Disease: Experience from a Tertiary Care Centre in North-West India	Johnson Nameirakpam	Allergy and Immunology Unit, Advanced Pediatrics Centre, Postgraduate Institute of Medical Education and Research
65	The Role of Glycosylation Modification on Resistance to Viral Infections	Cristiane Nunes-Santos	Immunology Service, Department of Laboratory Medicine, Clinical Center, NIH
66	The Effect of Hydroxychloroquine on CTLA4 Expression in Siblings with LRBA (Lipopolysaccharide-responsive and Beige-like Anchor Protein) Deficiency	Nurcicek Padem	Northwestern University
67	Single Cell RNAseq Analysis Reveals Profound Abnormalities in the Distribution and Diversity of Thymic Epithelial Cells in Wild-type and Rag1 Mutant Mice	Francesca Pala	NIAID, NIH
68	Immunodeficiency in Elderly: Data from the USIDNET Registry	Charmi Patel	Donald Barbara Zucker School of Medicine at Hofstra/Northwell
69	Oral Immunoglobulins to Treat Norovirus Gastroenteritis in Patients with Primary and Secondary Immunodeficiency	Matthew Perez	Baylor College of Medicine

70	Two Siblings with a Delayed/Late-Onset Presentation of Combined Immunodeficiency Due to Adenosine Deaminase Deficiency	Tamara Pozos	Children's Hospital Minnesota
71	Hyperactivated PI3Kd Promotes Self and Commensal Reactivity at the Expense of Optimal Humoral Immunity	Silvia Preite	National Institutes of Health
72	Quantitation of T Cell Repertoire Diversity Following Treatment for SCID	Jennifer Puck	University of California, San Francisco
73	Newborn Screening for SCID in Puerto Rico: A Three-year Experience	Cristiana Ramos-Romey	University of Puerto Rico School of Medicine
74	Interim Analysis of Infusion Characteristics and Adverse Events During Facilitated Subcutaneous Immunoglobulin Treatment for Primary Immunodeficiency Diseases: Global Post Authorization Safety Study	Arye Rubinstein	Albert Einstein College of Medicine & Montefiore Medical Center
75	Heterozygous Variants in FOXN1 in Infants with Abnormal Newborn Screening for SCID	Lauren Sanchez	Department of Pediatrics, Division of Allergy, Immunology, and Bone Marrow Transplant, University of California, San Francisco
76	Plasma Metabolomic Signatures in Patients with Chronic Granulomatous Disease	Christopher Santaralas	University of South Florida
77	Indications of Depressive Disorders in Adults with Primary Immunodeficiency	Christopher Scalchunes	Immune Deficiency Foundation
78	Epigenetic Immune Cell Quantification for Diagnosis and Monitoring of Patients with Primary Immune Deficiencies and Immune Regulatory Disorders	Janika Schulze	Department of Pediatrics, Medizinische Fakultät Carl Gustav Carus, Technische Universität Dresden, Dresden, Germany
79	Two Siblings with Autoimmune Polyendocrinopathy-candidiasis-ectodermal Dystrophy-like Phenotype Demonstrating Classic and Atypical Symptoms	Edith Schussler	Weill Cornell Medicine

80	Ex Vivo Generation and Single-Cell Analysis of Human Monoclonal Antibodies from Dengue Virus Infected Patients	Pragati Sharma	International center for genetic engineering and biotechnology, New Delhi, India
81	Enigmas of IL-12Rβ1 Deficiency: Contemporary of Two Disease, Mendelian Susceptibility to Mycobacterial Disease and Crohn Disease	Roya Sherkat	Acquired Immunodeficiency Research Center, Isfahan University of Medical Sciences , Isfahan , Iran
82	Cytomegalovirus Specific Cell-mediated Immunity Status in Women with Pre-eclampsia: A Case-control Study	Roya Sherkat	Acquired Immunodeficiency Research Center, Isfahan University of Medical Sciences , Isfahan , Iran
83	The B-cell Subset Mileu of Autoimmune Cytopenias in Primary Immunodeficiency	Travis Sifers	Icahn School of Medicine at Mount Sinai
84	Deficiency of the Non-classical Inhibitor of NF-kappaB, IkappaBNS, Causes a Novel Primary Immunodeficiency Due to Dysregulated NF-kappaB Signaling	Charlotte Slade	Walter & Eliza Hall Institute/Royal Melbourne Hospital
85	Variant Mutation in PLCG2 Associated with Common Variable Immundeficiency Without Cold Urticaria	Veronica Solivan-Vargas	Hospital Episcopal San Lucas
86	Epidemiology on Primary Immunodeficiencies in Korea: A Systematic Review of Reported Literature and Analysis of Bigdata from National Health Insurance System	Sohee Son	Department of Pediatrics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
87	Thinking Outside of Infection: Hemophagocytic Lymphohistiocytosis in a 5-week-old Male with Chronic Granulomatous Disease and Burkholderia Cepacia Sepsis	Jacqueline Squire	USF - John Hopkin's All Children's Hospital
88	Herpes Simplex Virus Whole Genome Sequencing for Antiviral Resistance in a Child with DOCK8 Deficiency and Chronic Infection	Sean Stout	Children's Mercy Hospital
89	A 29-year-old Woman with History of Hypogammaglobulinemia and Acute Liver Failure	Beth Thielen	University of Minnesota, Departments of Internal Medicine and Pediatrics, Divisions of Infectious Diseases and International Medicine and Pediatric Infectious Diseases and Immunology

90	Miller-Dieker Syndrome May Be Another Syndromic Primary Immunodeficiency	Erika Tsutsui	The University of Tokyo Hospital
91	Patient Education with a Self-Efficacy Focus for Adult Autosomal Dominant Hyper IgE Syndrome Patients	Amanda Urban	Clinical Monitoring Research Program Directorate, Frederick National Laboratory for Cancer Research sponsored by the National Cancer Institute
92	Profiling Serum Antibody Specificities in Healthy Toddlers Reveals a Subgroup with Strong IgG Responses to Autoantigens and Infectious Agents	Nicolai van Oers	UT Southwestern Medical Center
93	Diagnostic Yield of a Next-Generation Sequencing Panel for Primary Immunodeficiencies in a Cohort of Pediatric Patients with Immunohematologic Disorders	Elizabeth Varga	Division of Hematology/Oncology/BMT and the Institute for Genomic Medicine, Nationwide Children's Hospital
94	Evaluation of Novel STAT1 Mutations: Phosphorylation, Luciferase Assay or Both?	Alexander Vargas Hernandez	Department of Pediatrics, Baylor College of Medicine. Houston, TX, USA.
95	Loss of Human ICOSL Results in Combined Immunodeficiency	Don Vinh	Research Institute - McGill University Health Centre
96	Neutralizing anti-IL-6-autoantibodies Are a Risk Factor for Pyogenic Bacterial Infections	Horst von Bernuth	Department of Pediatric Pulmonology, Immunology and Intensive Care Medicine, Charité University Medicine, Berlin, Germany
97	Conventional Treatment versus Stem Cell Transplantation – Outcome in 105 Patients with Chronic Granulomatous Disease	Horst von Bernuth	Department of Pediatric Pulmonology, Immunology and Intensive Care Medicine, Charité University Medicine, Berlin, Germany
98	Centralized Sequencing Initiative at NIAID: Year 1	Magdalena Walkiewicz	National Institute of Allergy and Infectious Diseases (NIAID)
99	Treatment of Adenosine Deaminase Severe Combined Immunodeficiency with Pegylated Recombinant Adenosine Deaminase. a Clinical Trial of Patients Transitioned from Pegademase to Elapegademase-lvlr	Joseph Wiley	Leadiant Biosciences, Inc.

100	Cure of a Complicated Patient with X-linked Lymphoproliferative Syndrome Type I and Hepatitis C Cirrhosis, Through Combined Living Related Liver and Hematopoietic Stem Cell Transplantation	Christian Wysocki	UT Southwestern Medical Center
101	Transcriptome Analysis Reveals an Important Role for EXTL3 in Human Hematopoietic Cell Differentiation	Yasuhiro Yamazaki	NIAID NIH
102	Different Clinical Manifestations in a Large Cohort of Predominantly Antibody Deficiency Patients with Monogenic Defects	Reza Yazdani	Research Center for Immunodeficiencies, Children's Medical Center, Tehran University of Medical Sciences, Tehran, Iran
103	Infection Rates and Tolerability in Patients with Primary Immunodeficiency Diseases Treated with Three Different Immunoglobulin Administration Modalities	Leman Yel	Allergy Partners of North Texas Research
104	Lymphocyte Radiosensitivity in Cartilage Hair Hypoplasia	Jennifer Yonkof	Division of Allergy and Immunology, Nationwide Children's Hospital
105	Capturing Quality of Life in Patients with Common Variable Immunodeficiency (CVID) Using the Patient-Reported Outcomes Measurement Information System (PROMIS-29) Survey	Shouling Zhang	Department of Pediatrics, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, New Hyde Park, NY
106	Describing Transient T Cell Lymphopenia in the United States Immunodeficiency Network (USIDNET) Following Infants with Low Lymphocytes (FILL) Program and a Single Referral Center from 2010-2017	Shouling Zhang	Department of Pediatrics, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, New Hyde Park, NY