POSTER SESSION

Poster session will take place on:
- **Friday, March 6 from 13:20 to 14:25** and
- **Saturday, March 7 from 12:35 to 13:50**

in the Poster Area 1 at level 0 (from P.001 to P.125) and Poster Area 2 at level 1, balcony, (from P.126 to P.418)

Authors have been given a number and must be fixed on the poster board marked with the same number.
Poster panel height is cm 250 and the maximum usable surface, portrait orientation is **cm. 95 (width) and cm. 235 (height).**
Posters can be hanged on:
- **Thursday, March 5 from 11:00 to 16:00**
- **Friday, March 6 from 08:00 to 13:00**

and removed within 16:00 of Saturday, March 7.

Authors are kindly requested on Friday March 6 and Saturday March 7 to stand by their poster during the Poster Session time for discussion with delegates. Otherwise please hang a note to inform when you will be available.
All presentations, discussions and questions will be in English.
Tape to hang posters will be distributed at the poster information desk in the Poster Area 1.
Authors must strictly respect the above-mentioned timing for hanging and removing posters.
Posters not removed by the scheduled time will be removed by the Organizing Secretariat and thrown away. The Organizing Secretariat cannot be addressed for any responsibility in posters' loss.

01.PATHOGENESIS - GENETICS, ENVIRONMENTAL TRIGGERS, AND THE INFLUENCE OF GENDER

P.001 **Identification and Functional Characterization of Cell Type–Specific Causal Variants in Systemic Sclerosis**
Honglin Zhu

P.002 **The contrasting associations of ERAP1 and HLA class I regions between Systemic Sclerosis and Psoriasis**
Ishikawa Yuki, Allanore Yannick, Yuki Nishio, Issei Imoto, Hachulla Eric, Mouthon Luc, Truchetet Marie-Elise, Stephanie Debette, Chikashi Terao

P.003 **Analysis of mosaic chromosomal alteration in systemic sclerosis identifies phenotype-specific associations**
Yuki Nishio, Shunsuke Uchiyama, Yuki Ishikawa, Xiaoxi Liu, Seiya Takada, Tomoki Kuroshima, Keitaro Matsuo, Yasushi Kawaguchi, Masataka Kuwana, Issei Imoto, Yukie Yamaguchi, Chikashi Terao

P.004 **Impact of active and passive exposure to tobacco on Systemic Sclerosis manifestations, disability and quality of life- Data from a Tertiary Centre**
Sara Amaro Lopes, Mariana Diz-Lopes, Carlos Marques-Gomes, Marina Oliveira, Bárbara Fernandes Esteves, Miguel Correia Natal, Ana da Rocha Sá, Bruno Miguel Fernandes, Georgina Terroso, Lúcia Costa, Raquel Miriam Ferreira

P.005 **Clinical features and autoimmune profile in systemic sclerosis patients of Jewish origin from a single rheumatology center in Israel**
Irena Litinsky, Yifat Alkalai, Dafna Capelusnik, Sara Pel, Julia Berman, Ori Elkayam

P.006 **S100A4 Regulated Genes are Differentially Activated in Systemic Sclerosis Skin Across Limited and Diffuse Cutaneous Subsets**
Medha Kanitkar, Philip Yee, Stefano Rodolfi, Kristina Clark, Voon Ong, Christopher Denton

P.007 **Impact of Occupational Pollutant Exposure on Clinical and Serological Phenotypes in Systemic Sclerosis**
Carrión-Barberà Irene, Sanhuja I Sanz Martina, Tió Laura, Triginer Laura, Lee María, Guillén-Del Cast Alfredo, Ribes Anna, Valencia Muntalà Lidia, Galarza David, Monfort Jordi, Salman-Monte Tarek Carlos, Narváez Javier, Simeón-Aznar Carmen Pilar, Pros Anna

P.008 **Evaluation of the History of Trauma in Systemic Sclerosis: Prevalence and Patient Characteristics**
Nahal Ghanoongooi, Samuel Good, Ju Young Lee, Arissa Young, Elizabeth Volkmann

P.009 **Antecedent Ambient PM2.5 and Constituent Exposure Associations with Scleroderma-Associated Autoantibodies**
Samantha Branton, Gillian Goobie, Sharon Kim, Maureen Laffoon, Robert Lafyatis, Robyn Domsic

02.PATHOGENESIS - FIBROSIS

P.010 **Mitochondrial DNA escape from Ca2+-overload-mitochondria provokes fibrosis via cGAS-STING pathway activation in skin fibroblasts of SSc**
Xiaoyun Zhang, Yingyu Wang, Weiguo Wan, Hejian Zou, Xue Yang

P.011 **EZH2 Promotes Lung Fibrosis by Disrupting the Balance Between Profibrotic and Pro-resolving Alveolar Macrophages**
Qiming Meng, Shasha Xie, Bingying Dai, Sijia Liu, Hui Luo, Honglin Zhu

P.012 **Non-muscle myosin II Isoforms (NMII) are involved in Systemic Sclerosis skin fibrosis and collagen deposition**
Barbara Russo, Fanny Noulet, Xuewei Jian, Elisa Burri, Jeremy Kessler, Geroge Radu Romanescu, Nicolo Brembilla, Bernard Wehrle-Haller, Maria Shutova, Wolf-Henning Boehncke

P.013 **The stromal vascular fraction mitigates bleomycin-induced fibrosis in mice**
Jiucun Wang, Zonghao Liu, Ziyu Wang, Mengqi Shi, Yahui Chen, Xiangguang Shi

P.014 **Common fibroblast subpopulations in skin and lung tissue in systemic sclerosis**
Nikolaos Vlachogiannis, Kleio-Maria Verrou, Konstantinos Kontodimas, Eleftherios Zormpas, Oliver Distler, Xaralabos Varelas, Petros P. Sfikakis

P.015 **A pathogenic role of microvasculopathy-related hemorrhagic deposition of iron in the skin: ex vivo results in systemic sclerosis**
Nikolaos Vlachogiannis, Aikaterini Avdi, Kleio-Maria Verrou, Eleftherios Zormpas, Petros P. Sfikakis

P.016 **Tryptophan metabolism dysregulation and its pathogenic roles in systemic sclerosis**
Takehiro Takahashi, Takuya Takahashi, Masahiro Watanabe, Yuichiro Segawa, Kenta Oka, Toshiya Takahashi, Masamitsu Maekawa, Yoshihide Asano

P.017 **The PIM and ATK kinases cooperatively support lung myofibroblast activation in SSc by regulating energy and protein metabolism**
Ioannis Papaioannou, Xu Shiwen, Ping Kang, Voon Ong, Christopher P. Denton, Elizabeth Renzoni, Markella Ponticos, Jan-Willem Taanman, David Abraham

P.018 **TGFβ and Shh induce endothelial-to-mesenchymal transition through the GLI transcription factors**
Natalia Riobo-Del Galdo, Esther Perez-Barreiro, Francesco Del Galdo

P.019 **Collagen VIII: a promising target for anti-fibrotic treatment**
Olesya Plazyo, Poulami Dey, Jake Erba, Rachael Bogle, William Brodie, Alexander Cai, Lam Tsoi, Eliza Tsou, Dinesh Khanna, John Varga, Johann Gudjonsson

P.020 **Crystalline silica as an aetiological factor of systemic sclerosis: from epidemiological data to mechanistic considerations in mouse models**
Salomé Patry, Laura Morin, Lelong Marie, Alice Ballerie, Erwan Dumontet, Francois Huaux, Catherine Cavalin, Valerie Lecureur, Alain Lescoat

P.021 **Genomic instability in systemic sclerosis is promoted by a PERK/FOXO1-dependent axis**
Lamia Khan, Junqin Wang, Charmaine van Eeden, Carmanah Hunter, Lisa Willis, Caylib Durand, Jan Storek, Janet Pope, Benjamin Korman, Jan Willem Cohen Tervaert, Robert Gniadecki, Mohammed Osman

P.022 **Contribution of mitochondrial DNA to the onset and maintenance of inflammation in systemic sclerosis patients**
Martina Orlandi, Sinigalia Giorgia, Amelia Spinella, Marco De Pinto, Isabella Martuscello, Giorgia Roveta, Luca Keller, Marcello Pinti, Dilia Giuggioli

P.023 **Divergent Effects of Genetic and Diet-Induced Obesity on Dermal Adipose Tissue and Fibrosis**
Roberta Marangoni, Gaochan Wang, Stacey Duemmel, Benjamin Korman

P.024 **Generating IL-17B and IL-17D specific antibodies to investigate their potential role in driving Systemic Sclerosis**
Avneet Kaur Manghera, Alastair Lawson, Voon Ong, David Abrahams

P.025 **CLEC3B is a Key Regulator and Potential Therapeutic Target in Skin Fibrosis**
Qianqian Ma, Qingmei Liu, Weilin Pu, Jiucun Wang, Yuhong Liu

P.026 **Treprostinil, a Prostacyclin Analog, Mitigates Profibrotic Signaling in Scleroderma Fibroblasts via the EP2–PPARG–SMARCA4 Pathway**
Bashar Kahaleh, Yongqing Wang

P.027 **Molecular markers for disease progression in Systemic Sclerosis – Exosomes and CX3CR1 T cell subsets**
Josna Joseph, Abarna R, Manna Sera Jacob, Sandhya Rani B, Reka K, Phaneendra Datari, John Mathew

P.028 **Interleukin-19 is related to systemic sclerosis, especially interstitial lung disease**
Yuki Ichimura, Hikaru Hirose, Tomoaki Higuchi, Akiko Tochimoto, Yasushi Kawaguchi

P.029 **The PD-1 pathway as a new treatment target in systemic sclerosis**
Maithri Aspari, Voon Ong, Klaus Søndergaard, Esben Næser, Malene Hvid, Angela Tam, Shiwen Xu, Xinyue Bian, Henry Lopez, Christopher Denton, David Abraham, Bent Deleuran, Stinne Greisen

P.030 **Evaluation of the altered miRNA and mRNA levels and their biological functions in peripheral blood mononuclear cells of systemic sclerosis patients**
Dóra Csige, Szilárd Póliska, János Rózsa, Sára Lipták-Lukácsik, Monika Bodoki, Dóra Tari, Szilvia Szamosi, Zoltán Szekanecz, Gabriella Szücs, Levente Bodoki

P.031 **Distinct Temporal Dynamics of Inflammation and Fibrosis in A Prolonged Experimental Model of Systemic Sclerosis**
Aurore Collet, Manel Jendoubi, Thomas Guerrier, Alexis Largy, Farah Mana, Silvia Speca, Sylvain Dubucquoi, David Launay

P.032 **Evaluation of Serum Bromodomain-4 Levels in patients with systemic sclerosis and its association with disease characteristics**
Erhan Kupcuk, Emine Busra Ata, Ezgi Cimen Gunes, Omer Faruk Kirlangic, Taner Ozgurtas, Emre Tekgoz, Sedat Yilmaz, Seda Colak

P.033 **BAG3 as a possible therapeutic target and biomarker in systemic sclerosis**
Iannone Claudia, Margot De Marco, Antonina Minniti, Angela D'Ardia, Paola Manzo, Antonia Falco, Liberato Marzullo, Alessandra Rosati, Roberto Caporali, Maria Caterina Turco, Nicoletta Del Papa

02.PATHOGENESIS - FIBROSIS

P.034 **Navigating the single-cell landscape of colonic disease in systemic sclerosis**
Kristina Clark, Moustafa Attar, Matthias Friedrich, Charles Murray, Alexander Clarke, Christopher Denton

P.035 **Primary cilia shortening of Systemic sclerosis dermal fibroblasts can be modulated by AURORA A kinase activity to reduce fibrotic phenotype**
Rebecca A. Wells, Begoña Caballero-Ruiz, Panji Mulipa, Alex J. Timmis, Ioanna Ch. Georgiou, Colin A. Johnson, Francesco Del Galdo, Rebecca L. Ross, Natalia A. Riobo-Del Galdo

P.036 **The involvement of pDC and ER stress in systemic sclerosis-associated fibrosis**
Beatriz H Ferreira, Mariana D Machado, Carolina Mazeda, Catarina R Silva, Eduardo Dourado, Camila Castro, Fátima Leite-Pinheiro, Andreia Mendes, Luís Mendes, Adrienne W Paton, James C Paton, Philippe Pierre, Catarina R Almeida

03.PATHOGENESIS - IMMUNE DYSREGULATION, INCLUDING AUTOANTIBODIES

P.037 **Anti-protein arginine methyltransferase 5 (PRMT5) antibodies in the assessment of patients with systemic sclerosis**
Marco Binda, Anna Ghirardello, Beatrice Moccaldi, Anna Cuberli, Andrea Benini, Marta Tonello, Roberta Ramonda, Elisabetta Zanatta

P.038 **Shared and unique molecular signatures across different autoantibody groups in systemic sclerosis: a multi-omics analysis**
Hanlin Yin, Wanyi Lin, Zhangyi Zhao, Chenhan Jia, Fenglin Wu, Xuesong Liu, Liangjing Lu

P.039 **The occurrence of vitamin D deficiency and insufficiency in patients with systemic sclerosis**
Ewa Wielosz, Magdalena Dryglewska, Natalia Siedlecka, Bozena Targonska-Stepniak

P.040 **Closing the seronegative gap in systemic sclerosis with immunoprecipitation–mass spectrometry: a multicentric international study**
Birthe Michiels, Jean-Baptiste Vulsteke, Marie Vanthuyne, May Choi, Tikly Mohammed, Carole Lacout, Antoine Brochard, Frédéric Coutant, Katja Lakota, Ellen De Langhe, Doreen Dillaerts, Tom Dehaemers, Jonas De Leeuw, Sasa Cucnik, Nicole Fabien, Emeline Vinatier, Neil McHugh, Sarah Tansley, Marvin J Fritzler, Frédéric Houssiau, Xavier Bossuyt

P.041 **Demographic and Clinical Features of Systemic Sclerosis Patients With Anti-U1RNP Antibodies: a European Scleroderma Trials and Research (EUSTAR) Analysis**
Madeleine Venables, Wanlong Wu, Rucsandra Dobrota, Oliver Distler, Eric Hachulla, Paolo Airò, Marco Matucci-Cerinic, Francesca Cozzi, Yannick Allanore, Peter Carreira, Andra Balanescu ,Ivan Castellví, Alberto Cauli, Christopher Denton, Michele Iudici David Launay, Ulf Mueller-Ladner, Elena Rezus, Valeria Riccieri, Gabriela Riemekasten, Bojana Stamenkovic, Elisabetta Zanatta, Shuang Ye, Suzana Jordan, Marie-Elise Truchetet, Masataka Kuwana, Francesco Del Galdo

P.042 **Coexistence of All Three Major Systemic Sclerosis-Specific Autoantibodies in a Single Patient**
Stavroula Magaliou, Nikoleta Zioga, Arriana Gkouvi, Vasiliki Syrmou, Maria Karapli, Eleni Patrikiou, Christina Katsiari, Dimitrios Bogdanos, Theodora Simopoulou

P.043 **Predictive Value of Classical and Emerging Autoantibodies for Cardiac Dysfunction in Systemic Sclerosis: Systematic Review**
Mislav Radic, Petra Simac Prizmic, Tina Becic, Hana Dogas, Ivana Jukic, Damir Fabijanic, Josipa Radic

P.044 **Macrophage-Driven Osteogenic Differentiation of Mesenchymal Stem Cells in Systemic Sclerosis Calcinosis**
Kaushik Shetty, Sandra Lopez Garces, Bahja Ahmed Abdi, Kaifeng Liang, Zestranjyan Kannan, Henry Lopez, Clayton Yates, Voon Ong, Christopher Denton, Peter Butler, David Abraham, Richard Stratton

P.045 **Autoantibodies targeting the angiotensin II type 1 receptor contribute to endothelial dysfunction in systemic sclerosis**
Carolin Schmidt, Benedikt Fels, Alexander Hackel, Antje Müller, Jens Y. Humrich, Kristina Kusche-Vihrog, Gabriele Riemekasten, Reza Akbarzadeh

P.046 **Impact of genetic background on topoisomerase immunization in mouse model**
Salomé Patry, Laura Morin, Marie Lelong, Erwan Dumontet, David Launay, Alain Lescoat, Valerie Lecureur

P.047 **Cytokine profile of individuals with raynaud's phenomenon with and without systemic sclerosis**
Pinja Parmanne, Antti Kuuliala, Alexandra Häme, Kari Eklund, Pia Isomäki, Riitta Luosujärvi, Marjatta Leirisalo-Repo, Krista Kuuliala

P.048 **Lung NK Cells in SSc-ILD Exhibit a Paradoxical Activated-Exhausted State**
Cristina Padilla, John Sembrat, Tracy Tabib, Robert Lafyatis

P.049 **Oxygen-Transport-Cascade and dysregulated interferon signals are associated with Severe Fatigue in patients with Systemic Sclerosis**
Charmaine van Eeden, Janet Pope, Udo Mulder, Desiree Redmond, Erin Reynolds, Murray Baron, Robert Gniadecki, Maggie Larché, May Choi, Sabrina Hoa, Carter Thorne, Elena Netchiporouk, Laura Ross, Jan Willem Cohen Tervaert, Mohammed Osman

P.050 **The role of anti-G protein-coupled receptors antibodies in the assessment of systemic sclerosis-primary heart involvement**
Beatrice Moccaldi, Giovanni Civieri, Annagrazia Cecere, Marco Binda, Marta Vadori, Laura Iop, Marta Tonello, Anna Cuberli, Andrea Benini, Emanuele Cozzi, Roberta Ramonda, Francesco Tona, Elisabetta Zanatta

03.PATHOGENESIS - IMMUNE DYSREGULATION, INCLUDING AUTOANTIBODIES

P.051 **Fc-gamma-receptor-activation by circulating immune complexes in systemic autoimmune diseases and its reduction by CD19-CAR T-cell therapy**
Merle Freitag, Philipp Kolb, Pauline Schröder, Lea Rodon, Franca Deicher, Ayla Stütz, Georg Schett, Wolfgang Merkt

P.052 **The Role of TLR7 and TLR9 in the pathogenesis of Systemic Sclerosis**
Takashi Matsushita, Chenyang Wang, Yasuhito Hamaguc

P.053 **Clinical and Serological Expression of Scleroderma in Jewish vs. Arab Patients in Israel**
Yair Levy, Hitam Hagog Natour, Aiman Natour, Abdullah Asli, Izabella Elgardt

P.054 **Anti-NOR-90 autoantibodies and clinical associations in systemic sclerosis: an international retrospective cohort study**
Cheng Shen, Marie Hudson, Susanna Proudman, Jenny Walker, Wendy Stevens, Mandy Nikpour, Shervin Assassi, Maureen Mayes, Mianbo Wang, Valerie Leclair, Yves Troyanov, Maggie Larche, Murray Baron, May Choi, Mohammed Osman, Janet Pope, Carter Thorne, Canadian Scleroderma Research, Australian Scleroderma Interest, Genetics vs Envt in Scleroderma Outcome, Marvin Fritzler, Sabrina Hoa

P.055 **Clinical manifestations and long-term outcomes of systemic sclerosis patients with various combinations of RNA polymerase I, II and III antibodies**
Maureen Laffoon, Leah Wunsch, Namitha Nair, Kwonho Jeoung, Lan Yu, Robert Lafyatis, Robyn Domsic

P.056 **Serum concentrations of Peroxiredoxin-4 (PRDX4) and -6 (PRDX6) are associated with disease progression in patients with systemic sclerosis (SSc).**
Otylia Kowal-Bielecka, Krzysztof Krajewski, Krzysztof Kowal, Natalia Szymanska

P.057 **Revisiting Anti-Nucleolar Antibody Associations in Systemic Sclerosis by Organ and Disease Subset**
Medha Kanitkar, Christopher Denton, Voon Ong

P.058 **Dual Role of Extracellular Vesicle Size and Concentration as Inverse Correlates in Autoantibody Profiling and Organ Involvement Prediction in Systemic Sclerosis**
Alexander Hackel, Precious Bonney, Moritz Jägermann, Hanna Grasshoff, Sebastian Jendrek, Reza Akbarzadeh, Gabriela Riemekasten

P.059 **Anti-SSA, Anti-SSB and Anti-Ro52 in Systemic Sclerosis: More Than Just Sicca?**
Carlos Gomes, Mariana Diz-Lopes, Miguel Natal, Bárbara Esteves, Sara Lopes, Ana Sá, Marina Oliveira, Mariana Sebastião, Miguel Bernardes, Raquel Ferreira, Georgina Terroso, Lúcia Costa

P.060 **Interleukin-6 as a marker of pulmonary involvement in systemic sclerosis**
Liudmila Garzanova, Lidia Ananyeva, Olga Koneva, Olga Ovsyannikova, Oxana Desinova, Mayya Starovoytova, Rushana Shayakhmetova, Anna Khelkovskaya-Sergeeva, Anastasiya Avdeeva, Mikhail Diatroptov

P.061 **Triple-negative systemic sclerosis: epidemiological profile and implications for pathogenesis from the spring registry**
Veronica Batani, Ilaria Cavazzana, Martina Orlandi, Corrado Campochiaro, Silvia Bosello, Fabio Cacciapaglia, Francesca Ingegnoli, Veronica Codullo, Valeria Ricceri, Franco Franceschini, Dilia Giuggioli, Lorenzo Dagna, Rossella De Angelis, Clodoveo Ferri, Marco Matucci-Cerinic, Giacomo De Luca

P.062 **Antinuclear antibodies from systemic sclerosis patients enter cells via a clathrin-mediated endocytosis mechanism and interact with their intracellular antigen.**
Aurélien Chepy, Martel Marie-Elise, Vivier Solange, Tardivel Meryem, Bongiovanni Antonino, Mistretta Marie, Secq Maxime, Guilbert Lucile, Hachulla Eric, Dubucquoi Sylvain, Launay David, Sobanski Vincent

P.063 **Innate lymphoid cell alterations and enhanced intestinal fibrosis in systemic sclerosis: evidence for an immune contribution to gastrointestinal involvement**
Louis Bébéar, Alexis Jean, Pauline Riviere, Damien Brisou, Isabelle Douchet, Nathalie Senant, Edouard Forcade, Estibaliz Lazaro, Christophe Richez, Cécile Bordes, Marie-Elise Truchetet

P.064 **Isolated changes as clinical markers in systemic sclerosis**
Svetlana Agachi, Liliana Groppa, Lucia Andries, Larisa Rotaru, Oxana Bujor, Maria Lungu

04.PATHOGENESIS - VASCULOPATHY

P.065 **Quantitative T2* magnetic resonance imaging for the detection of iron deposition in the fingers of patients with systemic sclerosis**
Nikolaos Vlachogiannis, Artemis Galani, Vassilis Koutoulidis, Georgia Lymperopoulou, Thomas G Maris, Vasiliki Bournia, Stylianos Panopoulos, Maria Tektonidou, Lia Angela Moulopoulos, Petros P. Sfikakis

P.066 **Dynamic OCT of the skin reveals microvascular pathology of clinically unaffected skin in patients with Very Early Diagnosis of SSc**
Duygu Temiz Karadag, Alp Eren Aydin, Marco Minerba, Ayse Cefle, Francesco Del Galdo

P.067 **Anti-endothelial cell antibodies as biomarkers of endothelial dysfunction in Systemic sclerosis (SSc) patients**
Chiara Pellicano, Annalisa Villa, Giancarlo D'ippolito, Gabriella Cusa, Valeria Carnazzo, Federica Laterza, Umberto Basile, Antonietta Gigante, Edoardo Rosato

P.068 **Optical coherence tomography angiography: a window on Systemic Sclerosis microangiopathy**
Martina Orlandi, Tommaso Verdina, Filippo Santoro, Mohammed El Alouani, Matteo Gibertini, Giorgia Roveta, Amelia Spinella, Marco De Pinto, Dilia Giuggioli

P.069 **Human blood vessel organoids as a model of vasculopathy in SSc**
Yanhua Xiao, Xuezhi Hong, Langxian Zhi, Yi-Nan Li, Martin Regensburg, Franz Marxreiter, Boris Görg, Sarah Koziel, Andrea-Hermina Györfi, Tim Filla, Peter-Martin Bruch, Philipp Tripal, James Adjaye, Sascha Dietrich, Jürgen Winkler, Jörg H.W. Distler, Alexandru-Emil Matei

04.PATHOGENESIS - VASCULOPATHY

P.070 **Prevalence of Venous Thromboembolism in Patients with Scleroderma: A Comparative Study**
Yair Levy, Hitam Hagog Natour, Aiman Natour, Siwar Shekh Yusuf, Izabella Elgardt

P.071 **Endothelial-Specific Deletion of RIPK3 Reduces Lung Inflammation and Fibrosis in a Sex-Dependent Manner in a Murine Model of Systemic Sclerosis-Associated Interstitial Lung Disease**
Charmain Johnson, Courtney Griffin

P.072 **Acute Kidney Injury and its implication on kidney function in patients with Systemic Sclerosis**
Katya Dolnikov, Alexandra Balbir-Gurman, Kochava Toledano, Yonit Tavor, Sami Giryes, Suheir Assady, Yolanda Braun-Moscovici

P.073 **Neutrophil extracellular traps and thromboinflammatory markers in limited systemic sclerosis: non-specific correlation with clinical and serological phenotype**
Aliki Venetsanopoulou, Maria Ntinopoulou, Nikolaos Koletsos, Paraskevi Voulgari, Akrivi Chrysanthopoulou

P.074 **Prognostic value of telangiectasia score in systemic sclerosis: a retrospective cohort study from a tertiary center**
Filipa Canhão André, Joao Oliveira, Margarida Coutinho, Sara Costa, Maria Joao Cadorio, Fabiana Gouveia, Mariana Rodrigues, Fernando Albuquerque, Marcelo Neto, Tania Santiago, Maria Joao Salvador

P.075 **Analysis of the dynamics of clinical parameters and serum angiogenic factors in systemic sclerosis patients undergoing tocilizumab treatment**
Yuichiro Segawa, Takehiro Takahashi, Takuya Takahashi, Kenta Oka, Yumi Kambayashi, Toshiya Takahashi, Yoshihide Asano

P.076 **Micro-and macro-vascular damage in systemic sclerosis: an observational prospective cohort study (VASSC study)**
Vincenzo Zaccone, Silvia Agarbati, Silvia Contegiacomo, Chiara Paolini, Carolina Clementi, Matteo Mozzicafreddo, Silvia Svegliati Baroni, Lorenzo Falsetti, Devis Benfaremo, Gianluca Moroncini

05.INTERSTITIAL LUNG DISEASE

P.077 **Preclinical lung volume loss in Very Early Diagnosis of Systemic Sclerosis (VEDOSS): characterization of early forced vital capacity (fvc) decline and clinical evolution**
Fiammetta Danzo, Martina Iacobino, Lorenzo Beretta, Marta Mozzo, Antonella Arcadu, Silvia Dellafiore, Marco Mantero, Letizia Morlacchi, Francesco Blasi, Francesco Del Galdo, Chiara Bellocchi

P.078 **Survival and Mortality Risk Factors in Patients with Systemic Sclerosis Associated Interstitial Lung Disease from a Single Referral Center**
Burak Gultekin, Shirkhan Amikishiyev, Zuleyha Bingol, Bahar Artim-Esen, Ahmet Gul, Gulfer Okumus, Murat Inanc, Yasemin Yalcinkaya

P.079 **Investigating the role of fibroblast trained immunity in the pathogenesis of systemic sclerosis associated pulmonary fibrosis**
Julie Worrell

P.080 **Keratinocyte-targeting functional autoantibodies in systemic sclerosis are associated with interstitial lung disease**
Jacqueline Wax, Gabriela Riemekasten, Frank Petersen, Xinhua Yu

P.081 **Airway disease; an underrecognized pulmonary manifestation of systemic sclerosis**
Marloes Verstappen, M. Voortman, A.D.M. Vorselaars, J. Spierings

P.082 **Serum proteins reflecting vascular processes associate with interstitial lung disease development in patients with systemic sclerosis**
Emiel Marges, Katherine van der Wouden, Marieke Overbeek, Jeska de Vries-Bouwstra

P.083 **Efficacy and safety of nintedanib in Systemic Sclerosis-associated Interstitial lung disease: one-year results from the REMSCLE cohort**
Claudia Codina, Laura Triginer Gil, Ana Argibay Filgueira, Adela Marin Ballve, Jose Luis Callejas Rubio, Mayka Freire, Maria Martin Armada, Nuria Vilanova Anducas, Clara Itziar Soto Abanades, Antonio Javier Chamorro, Cristina Lavilla Olleros, Raquel Aranega, Ignasi Rodriguez Pinto, Adriana Iriarte Fuster, Begoña Mari Alfonso, Antonio Castro Salomo, Alejandra Fernandez Luque, Ana Villar, Alfredo Guillen Del Castillo, Carmen Pilar Simeon Aznar

P.084 **Baseline Nailfold Videocapillaroscopy and Its Prognostic Value in Pulmonary Decline and Disease Progression in Systemic Sclerosis**
Cristiana Sieiro Santos, Jose Ordas Martinez, Miriam Retuerto Guerrero, Laura Sierra Herranz, Elena Bollo De Miguel, Elvira Diez Alvarez

P.085 **Serum KL-6 and IL-18 as Diagnostic and Prognostic Biomarkers in SSc-ILD: A 24-Month Cohort Study**
Cristiana Sieiro Santos, Jose Ordas Martinez, Miriam Retuerto Guerrero, Sara Calleja Antolin, Juan Garcia Herrero, Laura Sierra Herranz, Javier De La Calle Lorenzo, Elena Bollo De Miguel, Elvira Diez Alvarez

P.086 **Serum KL-6 as a Predictive Biomarker for Interstitial Lung Disease Progression and Mortality in Systemic Sclerosis: A Prospective Cohort Study**
Cristiana Sieiro Santos, Miriam Retuerto Guerrero, Jose Ordas Martinez, Sara Calleja Antolin, Juan Garcia Herrero, Laura Sierra Herranz, Javier De La Calle Lorenzo, Elena Bollo De Miguel, Goncalo Boleto, Vasco Romao, Elvira Diez Alvarez

P.087 **Evaluation of the New Criteria for Progressive Pulmonary Fibrosis in Patients with Systemic Sclerosis**
Miriam Retuerto-Guerrero, Clara Moriano Morales, Ivan Castellvi Barranco, Elvira Diez Alvarez

P.088 **Mediastinal lymphadenopathy in SSc-ILD is associated with upper Gastrointestinal involvement and higher risk of ILD progression: a bicentric retrospective observational study**
Valeria Rella, Cinzia Rotondo, Raffaele Barile, Marco Minerba, Lucy Thornton, Addolorata Corrado, Francesco Paolo Cantatore, Francesco Del Galdo

P.089 **Impact of disease characteristics and patient reported measures on exercise capacity in a prospective SSc-ILD cohort**
Mona-Lovise Ramsli, Torhild Garen, Phoung Phound Diep, Håvard Fretheim, Henriette Didriksen, Emily Violette Langballe, Helena Andersson, Øyvind Molberg, Øyvind Midtvedt, Hilde Jenssen Bjørkekjær, Michael Durheim, Anna-Maria Hoffmann-Vold

05.INTERSTITIAL LUNG DISEASE

P.090 **Deep-learning analysis of hrct images predicts progression and mortality in systemic sclerosis related interstitial lung disease**
Enrico De Lorenzis, Rosa D'abronzo, Pier Giacomo Cerasuolo, Lucio Calandriello, Giuseppe Cicchetti, Gerlando Natalello, Bruno Iovene, Francesco Varone, Giacomo Sgalla, Luca Richeldi, Anna Rita Larici, Maria Antonietta D'agostino, Silvia Laura Bosello

P.091 **Circulating levels of TL1A and DcR3 molecules and Systemic Sclerosis progression**
Vasiliki Poulia, Nikolaos I. Vlachoyiannis, Aikaterini Avdi, Vasiliki-Kalliop Bournia, Maria G. Tektonidou, Petros P. Sfikakis, Stylianos Panopoulos

P.092 **ENDOTHELIN-1 and severity of disease and interstitial lung disease in scleroderma patients**
Olga Ovsyannikova, Olga Koneva, Lidiya Ananyeva, Liudmila Garzanova, Rushana Shayachmetova, Anastasia Avdeeva, Michail Diatroptov

P.093 **Association th serum level of il-13 with interstitial lung disease in systemic sclerosis patients**
Olga Ovsyannikova, Olga Koneva, Liudmila Garzanova, Rushana Shayachmetova, Lidiya Ananyeva, Anastaia Avdeeva, Michail Diatroptov

P.094 **Clinical characteristics of systemic sclerosis with interstitial lung disease, one center experience**
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