

Poster No.	Title	Presenting author	Authors
1	Exploring the evolutionary origins of connexin genes and their functions in vivo	Julia Aniol	Julia Aniol, Jack Butler, Nicholas Dale, Ed Smith
2	A Novel CMT1X-Associated Cx32 Mutation Drives Hemichannel Gain-of-Function and Calcium Homeostasis Disruption	Erva Bayraktar	Erva Bayraktar, Jonathan Wu, Damiano Buratto, Rafael Balada, Barbara Rijtano, Fabio Mammano, Elena Pegoraro, Volodymyr Korkhov, Mario Bortolozzi
3	Refining a Mouse Model for Lesion Formation to Test Small-Molecule Therapeutics for Endometriosis	Jeffery Chavez	Jeffery Chavez, Mari Galang, Ethan Aulwes, Luca de Angeles, Albert Orna, Stanton McHardy, Bruce J. Nicholson
4	From Reperfusion to Fibrosis: Panx1 Channels in Mechanical Strain Dependent Cardiac Remodeling	Linda Clochard	Linda Clochard, Viviane Bes, John Daniels, Graziano Pelli, Bernardo Bollen Pinto, Filippo Molica, Brenda R. Kwak
5	The role of Connexin43 in Cardiac Amyloidosis	Ânia Correia-Rodrigues	Ânia Correia-Rodrigues, Teresa Ribeiro-Rodrigues, Nuno Raimundo, Henrique Girao
6	A metastasis-associated pannexin-1 mutant (Panx11-89) forms a minimalist ATP release channel	Gerhard Dahl	Junjie Wang, Noah J. Levi, Maykelis Diaz-Solares, Carsten Mim, Gerhard Dahl, Rene Barro-Soria
7	Mechanisms of cocaine regulating gap junctional communication in the heart.	Eliseo Eugenin	Ross Luu, Espinoza Claudio, Valdebenito Silvana, Eugenin Eliseo
8	Endothelial connexin 43 in the pathogenesis of diabetic kidney disease	Natalija Filipović	Karla Svaguša, Ivana Bočina, Nives Kević, Ivana Restović, Leo Jerčić, Anita Markotić, Katarina Vukojević, Natalija Filipović
9	A PKA-dependent pathway controls the increase of Cx36 hemichannel activity induced by multiple external stimuli	Aníbal García	Aníbal García, Eric Patrick, Ingrid Araya-Duran, Maximiliano Rojas, Valeria Márquez-Miranda, Fernando D. González-Nilo, Nicolás Palacios-Prado, John O'Brien, Juan C. Sáez.
10	SpySTING, a Genetically Encoded Topological Biosensor for Spying cGAMP-induced Bystander Immunity	Xinyu Huang	Xinyu Huang, Duo Cui, Weitao Chen, Kai Liu, Fei Sun
11	Disrupting Pannexin 1 Signalling Suppresses Glioblastoma Growth and Inflammatory Transcriptional Programs	Matthew Stephen Huver	Matthew Huver, Danielle Johnston, Rehanna Kanji, Stephanie Leighton, John Kelly, John Ronald, Matthew Hebb, Silvia Penuela
12	Characterizing the immunomodulatory role of TAT-Cx43 peptide in the human glioblastoma microenvironment	Myriam Jaraiz-Rodriguez	Jaraiz-Rodriguez M, González-Sánchez R, Martínez-Fernández M, Alcivar-Lopez D, Segura-Collar B, Sepúlveda-Sánchez JM, Tabernero A, Gargini R
13	Pannexin 1 deletion disrupts cell-cell adhesions in Triple Negative Breast Cancer	Danielle Johnston	Danielle Johnston, Stephanie Leighton, Matthew Huver, Silvia Penuela
14	Regulation of pannexin-1 dependent disruption of venous endothelial barrier function	Michael Koval	Anna E. Williams, Brooke L. O'Donnell, Brant E. Isakson, Michael Koval
15	Peptidomimetic inhibitors of pannexin1 channels protect against cardiac ischemia/reperfusion injury	Brenda R. Kwak	Malaury Tournier, Arthur Lamouroux, Laureano E. Carpio, Viviane Bes, Debora Iaculli, Maral Azam, Mathieu Vinken, Rafael Gozalbes, Filippo Molica, Steven Ballet, Brenda R. Kwak
16	Tumor cell expression of Connexin 43 contributes to lung metastasis	Anna La Torraca	Anna La Torraca, Elisa Poncioni, Anand Vaithia Natha Subramanian, Elisabetta Biglieri, Igor Jurisica, Volodymyr Korkhov, Lubor Borsig
17	The E3 ubiquitin ligase SMURF2 catalyzes Cx43 ubiquitination and promotes loss of Cx43-based gap junctions	Edward Leithe	Max Zachrisson Totland, Nikoline Lander Rasmussen, Vilde Wivestad Elster, Karen Irene Arnesen, Jakob Mørkved Stenersen, Mathias Larsen, Joachim Jordal Moe, Sebastian Basing, Vigdis Sørensen, Trond Aasen, Edward Leithe
18	A gap junction protein is necessary for normal sensitivity to isoflurane in C. elegans	Avraham Lepsky	Hamilton White, Cameron Bosinski, Avraham Lepsky, Andrew Chang, Christopher Gabel, Christopher Connor
19	One Connexin, Two Modes: Cx43 S-Nitrosation Separates Rapid Electrical Communication From Ca ²⁺ /Metabolic Coupling to Coordinate Vascular Function	Mauricio A Lillo Gallardo	Pia Burboa, Helmuth Sánchez, Annie Beuve, Mauricio Lillo
20	Does CO2 sensing via Cx43 hemichannels mediate neuron-glia signalling?	Alexandra Lovatt	Alexandra Lovatt, Nicholas Dale
21	Innexin DNA-binding domains regulate Microplitis bicoloratus bracoviral transcription in symbiotic wasps	Kai-Jun Luo	Tang, Hong-Mei; Zhang, Qiong-Li; Qiao, Xin; Dai, Ming-Wu; Yuan, Yong-Sheng; Tang, Xue-Mei; Yang, Wen-Ji; Jing, Rui; Li, Xing-Cheng; Zhang, Qi; Yan, Xiang; Ma, Yin-Chen; Huang, Yong-Biao; Zhou, Li-Xiang; Long, Jin; Peng, Nan-Nan; Cai, Chen-Hui; Meng, Jiang-Hui; Luo, Kai-Jun
22	EFFECT OF THE ANAESTHETIC PROPOFOL ON INTERCELLULAR COMMUNICATION VIA CARDIOVASCULAR GAP JUNCTION CHANNELS	Orestas Maknisevičius	Orestas Maknisevičius, Tadas Kraujalis, Mindaugas Šnipas, Lina Kraujalienė
23	Pannexin1 regulation of cerebral vascular function in a mouse model of Alzheimer's disease	Amanda Mauro	Amanda K Mauro, PhD, Mauricio Ruiz Soler, Eric Dai, Maria Tomás-Gracia, Colleen K Duffy, Miranda E Good
24	Extracellular-loop exchange in connexin chimeras reveals emergent open- hemichannel behavior	Allison Meyer	Allison Meyer, Shan Ying, Liz Ransey
25	Neural connexin proteome reveals cell adhesion molecules directing electrical synapse assembly	Adam C. Miller	William E. Crow, Jennifer Carlisle Michel, Adam C. Miller
26	Cold exposure and Pannexin1 deletion protect against atherosclerosis	Filippo Molica	Filippo Molica, Avigail Ehrlich, Yasmina Merzouk, Graziano Pelli, Viviane Bes, Bernard Foglia, Brenda R. Kwak
27	Connexin-43-associated Mitotic Nanotubes: A Novel Mechanism for Maintaining Gap Junction-Dependent Intercellular Communication During Mitosis	Sandra A. Murray	Anthonya Cooper, Selma Cetin-Ferra, Katie A Yonosh, Antentor Hinton, Jr., Andrea G. Marshall, James R. Faeder, Sandra A. Murray
28	Connexin 36 functional plasticity is integrated into the actin cytoskeleton	John O'Brien	Fatemeh Ariakia, Helen Yanran Wang, Stephan Tetenborg, Cheryl K. Mitchell, Jaya Aseervatham, Ya-Ping Lin, John O'Brien
29	Pannexin 1 ablation compromises vascular smooth muscle cell differentiation	Brooke O'Donnell	Brooke L. O'Donnell, Bing Han, Samantha C. Bielefeld, Luke S. Dunaway, Anastasia F. Thévenin, Anne K. Kenworthy, Brant E. Isakson
30	Hyperglycaemia Enhances Connexin 43 and Pannexin 1 Associated Signalling in retinal ARPE-19 Cells.	Chukwunonyerem Ogwudire	Chukwunonyerem Ogwudire, Patricia Martin, Xinhua Shu, Steven Patterson
31	Metabolic regulation of Pannexin-1 is a therapeutic vulnerability in melanoma	Laura Orofiamma	Laura Orofiamma, Danielle Johnston, Silvia Penuela
32	A Photodynamic Functional Assay for the Quantification of Connexin Hemichannel Activity	Mariateresa Panarelli	Mariateresa Panarelli, Fabio Mammano
33	A comparative in vitro analysis of pannexin1-targeting agents	Daan Peeters	Daan Peeters, Debora Iaculli, Steven Ballet, Nick Devoogdt, Timo W.M. De Groof, Mathieu Vinken, Raf Van Campenhout
34	Farnesene preferentially targets connexin 43 gap junctions compared with cardiac sodium and calcium channels: application in cardiac ephaptic transmission studies	Vytautas Raškevičius	Vytautas Raškevičius, Rokas Mickus, Regina Mačianskienė, Jonas Jurevičius, Arslan Mamedov, Ieva Sarapiniénė, Sergio Bordel, Vytenis Arvydas Skeberdis
35	Connexin 36 in the Female Medial Amygdala: Implications for Anxiety-Related Behavior	Antonia Recabal-Beyer	A. Fierro, P. Yañez, M. Oyarzún, A. Agurto, S. López, K. Oyarce, R. Elizondo-Vega, J.I. Nagy, A. Recabal-Beyer
36	LAMP2A-mediated degradation of Cx43 in cardiac hypertrophy	Teresa Ribeiro-Rodrigues	Teresa Ribeiro-Rodrigues, Tânia Martins-Marques, Inês Falcão Pires, Henrique Girao
37	Investigating the role of connexin channels in α-synuclein accumulation	Barbara Rijtano	Barbara Rijtano, Juan Atilio Gerez, Enrico Carmelo Torre, Rafael Balada Caballé, Saralea Marino, Diego Lopez Pigozzi, Roland Riek, Mario Bortolozzi
38	Connexin43 EL2 point mutants as isoform-specific dominant-negative inhibitors of gap junction coupling	Alissa Rzepski	Alissa Rzepski, Lindsey Murai, Yeritmary Rodriguez-Delgado, Joseph Peterman, Elizabeth Ransey
39	Aging-associated transcriptional remodeling of connexins isoforms in the central nervous system	Nicolle Andrea Salazar	Nicolle Andrea Salazar, , Alicia Domenech-Bendaña, Luis Álvarez, Inma Almansa, Sheldon Rowan, José Antonio Rodríguez-Navarro, Eloy Bejarano Fernandez
40	Evaluating the Effects of Heated Tobacco Products on the Expression of Membrane Proteins and Inflammatory Mediators in a Pulmonary Alveolar Epithelial Cell Line	Jessica Saliba	Jessica Saliba, Mira Abou Daher, Abdullah A. Shaito, Fouad Al Feghaly, Ahmad Husari, Marwan El-Sabban
41	Inflammatory Signalling Modulates Connexin Hemichannel Activity and Gap Junctional Communication in Human Keratinocytes	Sophia Schwarz	Sophia Schwarz, Tina Lehrich, Ilka Anja Kröber, Mia Lorenzen, Maria Reichenbach, Anaclet Ngezahayo
42	Defining the Impact of Cx43/Cx45 Balance on Gap Junction Communication in Human iPSC-Derived Cardiomyocytes	Paul L. Sorgen	Gupta Paras, Stephen Sobota, Paul L. Sorgen
43	Disrupting Oncogenic Signaling in Triple Negative Breast Cancer: The Interplay of Cx43, Pyk2, and Src in MDA-MB-231 cells	Paul L. Sorgen	Gaelle Spagnol, Li Zheng, Paras Gupta, Paul L. Sorgen
44	Pyk2-Dependent Regulation of Cx43 Remodeling in the Epicardial Border Zone After Myocardial Infarction	Paul L. Sorgen	Ming Ding, Lirong Xu, Kaushik Patel, Paul L. Sorgen
45	Connexin 43 Phosphorylation at Ser373 Acts as a Molecular Gatekeeper, Differentially Regulating Interactions with ZO-1and Src	Anastasia F. Thévenin	Hailey Belverio, Anica Kim, Jared Googel, Abigail Gallagher, Anastasia F. Thévenin
46	Methamphetamine Alters Gap Junctional Communication in HIV Reservoirs	Silvana Valdebenito	Silvana Valdebenito
47	Pannexin 1 intracellular loop motif Y198 influences renal hemodynamics in a sex-dependent manner	Madison D. Williams	Madison D. Williams, Brooke L. O'Donnell, Vikram Sabapathy, Nirelle K. Sitchoa, Taylor J. Buckley, Maya Bolger-Chen, Santosh Karnewar, Rahul Sharma, Jonathan R. Lindner, Brant E. Isakson
48	Linking Gap Junction Dynamics to Photoreceptor Outer Segment Phagocytosis by the Retinal Pigment Epithelium (RPE)	Katja Witschas	Katja Witschas, Julia Fadjukov, Sophia Wienbar, Nemanja Milićević, Satu Hakanen, Majja Vihinen-Ranta, Teemu O. Ihalainen, Gregory W. Schwartz, Soile Nymark
49	Gap junctions and melanoma progression: from tumor suppressors to enhancers of metastasis	Shoshanna N. Zucker	Shoshanna N. Zucker
50	Connexin 31.9 is expressed in human pancreatic beta cells	Elia Martha Pérez-Armendariz	Elia Martha Pérez-Armendariz, Oscar J. Zacarías-Lara, Cristina Revilla-Monsalve-Enrique R. Page-Pérez, Beatriz Hernández-Tellez, Ángel Zarain-Herzberg, César A. Flores-García, Rocío Arreola-Rosales, Marco Gudiño-Zayas