### Abstract # Present first name Present last name | Title
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111 Brad Bennett | X-ray structures of the human Cx26 gap junction channel identify Ca2+ binding sites and suggest a novel electrostatic mechanism that modulates ion selectivity
124 Masakatsu Watanabe | Connexin41.8 is required for the melanophore-xanthophore interaction in zebrafish
128 J. Matthew Rhett | The Denizens of the Perinexus: Connexin43, ZO-1, N-cadherin, and Nav1.5 at the Intersection of Structure and Function
130 Eliana Scemes | Pannexin 1 and bladder dysfunction in multiple sclerosis.
132 Eliana Scemes | Hypomorphic phenotype of a Pannexin1 transgenic mouse line
134 Richard Veenstra | Interfering amino terminal peptides and functional implications for heteromeric gap junction formation
136 Bradley Hersh | Role of innexins and vinnexins in Drosophila immune response
137 Jay Potts | Delivery of a Novel Connexin-43 Mimetic Peptide Enhances Wound Healing
140 Garcia Isaac | Gain of function of hemichannels produced by aberrant interactions between Cx43 and deafness-associated Cx26 mutants
141 Donglin Bai | Functional roles of the amino terminal domain in determining biophysical properties of Cx50 gap junction channels
142 Vytenis Skeberdis | Long distance communication between laryngeal carcinoma cells through membranous tunneling tubes and Cx43 gap junctions
144 Michael Stewart | Mammary gland specific knockdown of the physiological surge in Cx26 during pregnancy retains normal mammary gland development and function
145 Paxton Moon | Investigating the role of Pannexins in skeletal development and osteoarthritis
146 Claire Lorraine | A combined mathematical and experimental approach predicts the influence of Connexin43 on cell migration events.
147 Kristin Pogoda | Cx43 modulates cell migration and filopodia formation
148 Luis Cea | De novo expression of connexin-based hemichannels explains the enhanced sarcolemma permeability to molecules and death of skeletal myofibers in mdx mice.
149 Xiaoting Hong | Modification of glial microenvironment by direct cell-to-cell transfer of microRNAs mediated by gap junctions
151 Catherine Wright | Cx31.1 is associated with apoptosis in scrape-wounded ‘diabetic’ skin models
153 Rachael Kells | Ubiquitin: Its Role in the Internalization and Autophagic Degradation of Cx43 Gap Junctions
155 Hung-I Yeh | Genetic knocking down of Atrial Connexin40 proteins in canine Predisposed the heart to Atrial Fibrillation
156 Samantha Salvage | Quantitative relationships between gap junction resistance and myocardial conduction velocity
157 Richard Ruez | Functional expression of Pannexin 1 in the hypoxic human airway epithelium
158 Arvydas Skeberdis | Role of cysteines in neuronal Cx36 gating by pH, lipophilic compounds and voltage
159 John Kelly | Cx30 regulates wound healing in the cochlea
161 Merlijn Meens | Endothelial Cx37 and Cx40 regulate basal NO-release
162 Shan-Shan Zhang | The actin cytoskeleton confers specificity to Cx43 gap junction delivery
163 Anastasia Thévenin | Specific Phosphorylation/Dephosphorylation events on the Cx43 C-terminus regulate AP-2 access and Gap junction internalization
165 Felicitas Bosen | The human Clouston syndrome mutation connexin30 A88V leads to enlargement and hyperproliferation of sebaceous glands in mice
166 Emmanuel Dupont | HL-1 cardiomyocytes, a cellular tool to study action potential propagation.
167 Valery Shchepetov | Role of Pannexin1 in Primary Myoblast Activation and Differentiation
169 Virgin Valunus | Altered conductance and permeability of Cx40 mutations linked to atrial fibrillation
174 Gaelle Spagnol | Structural Studies of Panx1 Cytoplasmic Domains
175 Gina Sosinsky | Analysis Of Trafficking, Stability and Function Of Human Connexin 26 (Cx26) Gap Junction Channels With Deafness-Causing Mutations in the Fourth Transmembrane (TM4) Helix
176 Yasufumi Omori | Intra-Golgi Cx32-induced expansion of cancer stem cells - Involvement of the adaptive response pathway to ER stress
177 Sandra Murray | Annular Gap Junction Vesicle Processing: Formation to Degradation
179 Alonso Moreno | Brownian permeability computation model predicts that internal radii pore asymmetry and electric fields are determinant for preferential fluxes through gap junction channels
180 Matt Turnbull | Functional Diversity of Innexins In A Virus-Host System
181 Juan Zou | Identification of the Calmodulin Binding Domain in y Family Connexin
183 Melanie Busby | Evaluation of Cx43 Role in Mammary Gland organogenesis by a Novel 3D Co-culture Model.
185 Marwan El Sabbab | Exosomes: a novel “coerced cell-to-cell communication” mechanism.
187 Marwan El Sabbab | Anti-angiogenic agent and gap junction inhibitor reduce MDA-MB-231 breast cancer cell invasion and metastasis in vitro and in vivo
189 Marwan El Sabbab | Intercellular communication in patho-physiology of hematopoiesis
190 Daniel Hansen | Distinct permeation profiles of the connexin 30 and 43 hemichannels
194 Mariela Puebla | Key role of nitric oxide in neurovascular coupling coordination by hemichannel-mediated ATP release from astrocytes
196 Pablo Gaete | CGRP-induced activation of pannexin-1 channels leads to long term inhibition of nitric oxide production in mesenteric arteries
199 Samantha Adamson | Pannexin 1 controls adipocyte metabolism
182 Trond Aasen | Expression and correlation analysis of gap junction proteins in human tumours
192 Xueyao Jin | Electron Microscopy of Human Pannexin 1 Channels
201 Parul Katoch | Two dileucine-like motifs govern the assembly of connexin32 into gap junctions