

IX Latin American Society for Developmental Biology Meeting 2017					
October 9-13th 2017 (Medellín, Colombia)					
	October 9	October 10	October 11	October 12	October 13
8:00 - 8:45 Keynote speakers		Enrique Amaya <i>A conserved role for reactive oxygen species during early embryonic development and appendage regeneration</i>	Joachim Wittbrodt <i>Activating the regenerative potential of Müller glia cells in a regeneration-deficient retina</i>	Marianne Bronner <i>Gene regulatory and signaling events in neural crest development</i>	Angela Nieto <i>Epithelial plasticity in health and disease</i>
8:45- 9:00		Short talk- Clara Ibel Chamorro Jimenez. Histological and molecular studies on bladder wound healing in the rat.	Short talk - Manuel Buendia Monreal. The CDK8 module of arabidopsis mediator controls developmental timing and leaf shape through specific micro RNAs.	Short talk - Harold Suarez Baron. Genetic mechanisms underlying perianth trichome development in Aristolochia (Aristolochiaceae).	Short talk - Marcia Gaete. Generating big tooth germs by inhibition of hyaluronan synthesis.
9:00- 9:15		Short talk - Allan Carrillo Baltodano. Blastomere isolation reveals different neural specification mechanisms between the brain and ventral nerve cord in capitella teleta (annelida).	Short talk - Martha Elizabeth Montane Romero. The role of phospholipid phosphatase type 3 in endodermal development.	Short talk - Angie Daniela González. Emerging flowers of an emerging holoparasitic study system: Pilostyles boyacensis (Apodanthaceae)	Short talk - Cindy Rocío Ortiz Amador. Zebrafish caudal fin regeneration and cardiac frequency regulation properties of ageratina vacciniifolia extracts.
9:15- 9:30		Short talk - Frank Conlon . The CHD4/ NURD complex functions to directly repress smooth and skeletal isoforms in the developing heart.	Short talk - Andres Romero Carvajal. Unravelling the adaptive value of the embryonic external gills in anurans.	Short talk - Diana Carolina Castañeda Cortes. Corticotropin-releasing hormone as the transducer of the stress-induced masculinization.	Short talk - Elisa Domínguez Hüttinger. Modelling the complex regulatory interplay between epithelial-mesenchymal-transitions and the microenvironment in health and disease.

9:30-10:00	<div>Maria Barna</div> <div>Bio-imaging of tissue patterning and cellular communication during embryonic development</div>	<div>Karen Echeverri</div> <div>Molecular mechanisms of spinal cord regeneration</div>	<div>Vivian Irish</div> <div>Development with a twist</div>	<div>Jose García- Arrarás</div> <div>Understanding regeneration; a visceral reaction</div>
10:00-10:15	<div>Jeremiah Smith</div> <div>Developmentally programmed rearrangement of the lamprey genome</div>	<div>Randall Voss</div> <div>Transcriptional Investigation of Positional Memory in Axolotl Limbs</div>	<div>Kenneth Kosik</div> <div>Dynamic controls over stem cell population diversity and the emergence of multiple neuronal identities</div>	<div>Short talk - Miguel Mendivil Perez.</div> <div>Melatonin enhances neural stem cell differentiation by increasing mitochondrial function and promotes neuron engraftment in neurodegenerative diseases in vivo models.</div>
10:15–10:30				<div>Short talk - Elsy Cristina Buitrago Delgado.</div> <div>SoxB and SoxE transcription factors are essential for progression from pluripotent blastula cells into neural crest cells.</div>
10:30-11:00	<div>Coffee Break</div>	<div>Coffee Break</div>	<div>Coffee Break</div>	<div>Coffee Break</div>
11:00-11:30	<div>Sylvain Marcellini</div> <div>Junk or func? Contribution of mobile elements to the osteblastic gene regulatory network.</div>	<div>Rodrigo Nunes da Fonseca</div> <div>Evolution and multiple roles of the Pancrustacea specific transcription factor zeldain insects</div>	<div>Luis Alfredo Cruz Ramirez</div> <div>Unraveling the role of RETINOBLASTOMA-RELATED in Stem Cell maintenance and Asymmetric Cell Divission along land plant phylogeny</div>	<div>Cristina Ferrandiz</div> <div>A stylish story of carpel evolution</div>

11:30-11:45	Arrival	<i>Short talk - Victor Allan Sanchez Camargo. Maize E2F/DP transcription factor family regulate cell cycle S phase genes during seed germination.</i>	<i>Short talk - Yesenia Madrigal Bedoya. Evolution and expression of transcription factors controlling dorsiventral flower development in selected Asparagales.</i>	<i>Short talk - Ivan Felipe Acosta Guzman. Spatiotemporal dynamics of jasmonate signalling during stamen maturation in Arabidopsis.</i>	<i>Short talk - Nicolás Peláez. Ratiometric dynamics of ETS transcription factors regulate the transit to differentiation during retina patterning.</i>
11:45-12:00		<i>Short talk - Ahmed Elewa. Reading and editing the genome of salamander pleurodeles waltl reveals novel features of tetrapod regeneration.</i>	<i>Short talk - Nadia Monesi. The bradysia hygida (DIPTERA: SCIARIDAE) embryogenesis: how to make a larva in nine days.</i>	<i>Short talk - Cristian Camilo Piñeros Romero. Effect of the hand2 transcription factor on cell epithelization during early kidney morphogenesis.</i>	<i>Short talk - Federico D. Brown Almeida. Evolution and development of coloniality in our own phylum.</i>
12:00-12:30		Shiobhan Brady <i>Regulation of root morphogenesis and cell type development in the face of a changing environment</i>	Miguel Concha <i>Novel roles of extra-embryonic tissue in directing early embryo morphogenesis in vertebrates</i>	Igor Schneider <i>Deep evolutionary origin of tetrapod limb regeneration</i>	Claudia Torres Farfán <i>Chronobiology in development and health</i>
				12:30- 13:00 LASDB Assembly	
12:30-14:00		LUNCH	LUNCH	LUNCH	LUNCH
14:00-15:00		POSTERS	POSTERS	POSTERS	POSTERS

15:00-15:30
15:30-15:45
15:45-16:00
16:00-16:30
16:30-17:00

Katia del Rio- Tsonis <i>Epigenetic signatures during chick retina regeneration</i>	Patrizia Ferretti <i>Stem cells in health and disease: from animal to human models</i>	Lee Niswander <i>Using mouse and human iPSC modeling to reveal the causes of neural tube defects</i>	Roberto Mayor <i>Chemical and mechanical cues control collective cell migration</i>
Short talk - Monica Lisette Garcia Gomez. Understanding the links between cell differentiation and hormone responses in the root apical meristem of <i>Arabidopsis thaliana</i> .	Short talk - Christian Guerrero Juarez. Dermal adipocyte regeneration from myofibroblasts during cutaneous wound healing.	Short talk - Marcos Nahmad. Epithelial folds promote cell proliferation in the <i>Drosophila</i> wing disc.	Short talk - Rodrigo AP De Martins. Maintenance of genomic stability in central nervous system development: Regulation of replicative stress by the ATR-ATRIP signaling pathway.
Short talk -Leonardo E. Valdivia. A CRISPR/CAS9 screen for genes that mediate growth of the zebrafish eye.	Short talk - Cecilia Zumajo Cardona. Expression analyses of fruit developmental genes in selected non-core eudicots.	Short talk - Lina Vanessa Lozano Morales. Effect of altitude on body resources allocation in <i>Cotesia flavipes</i> (Hymenoptera: Braconidae).	Short talk - Patricia Neiva Schneider. Transcriptome analysis and asymmetric gene expression of visual opsins during eye development in the four-eyed fish (<i>Anableps anableps</i>).
Joseph Arboleda- Velasquez <i>Therapeutic antibody targeting of Notch3 signaling prevents mural cell loss in CADASIL.</i>	Robb Krumlauf <i>Hox genes: Regulating the balance between pluripotency and differentiation</i>	Carole La Bonne <i>Stem Cells, Gene Regulatory Networks and the Evolution of Vertebrates</i>	Alejandro Sanchez Alvarado <i>The life cycle of regeneration</i>
Coffee Break	Coffee Break	Coffee Break	Marko Horb <i>System-level analysis of pancreatic beta cell development</i>

17:00-17:15		Short talk - Gloria Patricia Cardona Gomez. CDK5 beyond neurodevelopment.	Short talk - Héctor Hugo Torres Martínez. Towards understanding the lateral root primordium morphogenesis in arabidopsis thaliana.	Short talk - Alexa Aline Sadier. Distinct developmental constraints govern the establishment of the bat dental row.	Closing Ceremony
17:15-17:30		Short talk - Christian Louis Bonatto Paese. Characterisation of sox B family genes and their involvement in embryogenesis in the spider parasteatoda tepidariorum.	Short talk - Jennifer Maier. Hox gene expression & regulation in diverse mammalian limbs.	Short talk - Ricardo Fuentes Pardo. Phenome-wide screens define novel maternal gene functions during the zebrafish oocyte-to-embryo transition.	
17:30-18:00		Jesus Chimal-Monroy Digit patterning is controlled by an antagonism between retinoic acid and TGF beta	Veronica Di Stilio Reconstructing the ancestral role of flowering meristem identity genes in a non-flowering plant	Robert Reed Developmental genetics of butterfly wing pattern evolution	
18:00-18:15	Opening ceremony	Short talk - Francisco Javier Mendez Cruz. NADPH-OXIDASE-Derived reactive oxygen species participate in the control of cell motility in zebrafish gastrulation.	Short talk- Leonardo Guilgur. The developing brain is the limiting tissue to ensure normal lifespan after induced aneuploidy in flies.	Short talk - Alejandra Vasco. Fern leaf evolution and development: building better models from fern leaf diversity.	

18:15-18:30		Short talk - Jesica Romina Canizo. Modulation of WNT and ERK signalling blocks sox17 expression without increasing nanog in the bovine ICM.	Short talk - Emilio Petrone Mendoza. Transcriptome de novo assembly for the study of wood development evolution in the cactaceae family.	Short talk - Claudia Marcela Arenas Gómez. Gene expression profile during limb regeneration in plethodontid salamanders.	
18:30-19:15	Karen Sears	Sir John Gurdon (Nobel Awardee)	Brigitte Galliot	Robert Sablowski	
<u>Keynote speakers</u>	<i>From genome to phenome: the developmental basis of mammalian variation</i>	<i>The stability and reversal of cell differentiation</i>	<i>Regeneration and slow aging, what role for autophagy?</i>	<i>Cell size regulation and organ patterning in the shoot meristem</i>	