



PROGRAM

The 12th International Congress of Vertebrate Morphology

21 July – 25 July 2019

Grandior Hotel • Prague, Czech Republic



DOG-P2	Variation in the Shape of the Cribriform Plate between Domestic Dogs and Wild Canids	<i>Jacquemetton C*, Bird D, Van Valkenburgh B; University of California</i>
DOG-P3	The Price of a Cute Face: The Impact of Selection for Facial Reduction in Dogs	<i>Selba MC*, Oechtering GU, Heng HG, DeLeon VB; University of Florida, University of Leipzig, Purdue University</i>
DOG-P4	The Unbalanced World of Highly Bred Domestic Dogs: An Examination of the Canid Inner Ear	<i>Smith CM*, Laitman JT; City University of New York, Icahn School of Medicine at Mount Sinai</i>
DOG-P5	"Mucosal Maps" of the Canine Nasal Cavity: Can Micro-Computed Tomography be Used to Identify Olfactory Mucosa?	<i>Smith TD*, Craven BA, Engel SM, Van Valkenburgh B, DeLeon VB; Slippery Rock University, The Pennsylvania State University, UCLA, University of Florida</i>
DOG-P6	'Forever Young' - Postnatal Growth Inhibition of the Respiratory Turbinates in Brachycephalic Dog Breeds (<i>Canis lupus familiaris</i> , Canidae, Carnivora)	<i>Wagner F*, Ruf I; Senckenberg Forschungsinstitut und Naturmuseum, Germany</i>

15:30-16:30 **SKU4** **Ceremonie**

Symposium: Convergence and Constraint in Vertebrate Skull Evolution 4

Chairs: Anjali Goswami, Michelle Stocker

15:30	SKU4-1	Finding New Rules that Promote and Constrain the Diversification of Post-canine Teeth in Mammals: Insights from Noctilionoid Bats	<i>Sadier A*, Dessalles R, Santana S, Nieves N, Sears K; UCLA, University of Washington</i>
15:45	SKU4-2	Developmental Mechanisms Mediating Constraint and Evolvability of the Jaw	<i>Fish JL*; University of Massachusetts</i>
16:00	SKU4-3	Intrinsic and Extrinsic Constraints on Cranial Evolution Within Cypriniformes (Actinopterygii: Ostariophysi)	<i>Hernandez LP*, Cohen KE, Staab KL, Storch JD; George Washington University, University of Washington, McDaniel College</i>
16:15	SKU4-4	Does the Diversity in Skull Morphology and Jaw Musculature Reflect the Functional Constraints Associated with Resource Use? Insights from Insular <i>Podarcis</i> Lizards	<i>Taverne M*, Fabre AC, Dutel H, Tadic Z, Fagan MJ, Herrel A; Muséum National d'Histoire Naturelle, Natural History Museum, University of Bristol, University of Hull, University of Zagreb</i>

16:30-17:00 **EVO8** **Ceremonie**

Evo-Devo 8

Chairs: Anjali Goswami, Michelle Stocker

16:30	EVO8-1	The Early Evolution of Vestibular Morphology in Archosauria	<i>Bronzati M*, Evers SW, Cabreira SF, Choiniere J, Dollmann K, Ezcurra MD, Paulina-Carabajal A, Rademacher V, da Silva L, Stocker MR, Langer MC, Witmer LM, Benson RBJ, Nesbitt SJ; Universidade de São Paulo, University of Fribourg, University of the Witwatersrand, Museo Argentino de Ciencias Naturales, Instituto de Investigaciones en Biodiversidad y Medio Ambiente, Virginia Tech University, Ohio University, University of Oxford</i>
16:45	EVO8-2	Origins of Craniofacial Diversity in New World Leaf-Nosed Bats at the Developmental, Cellular and Genetic level	<i>Camacho J*, Moon R, Seetahal J, Tabin C, Abzhanov A; Harvard University, University of West Indies, Imperial College London</i>

15:30-17:00 **VIR4** **Dialog**

Symposium: VIRTMORPH - Using Virtual Reality to Visualize and Analyze Vertebrate Morphology 4

Chairs: Bob Cieri, Colleen Farmer

15:30	VIR4-1	Workshop
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15:30-16:45 **MOD4** **Forum**

Morphological Integration & Modularity 4

Chairs: Borja Figeirido, Peter Falkingham

15:30	MOD4-1	The First Three-Dimensional Reconstruction of the Skull and Musculature of a Cretaceous Toothed Bird, <i>Hesperornis regalis</i> (Avialae: Hesperornithiformes)	<i>Hanson M*, Bright JA, Carney RM, Felice RN, Goswami A, Burnham DA, Bhullar B-AS; Yale University, University of South Florida, University College London, Natural History Museum, University of Kansas</i>
15:45	MOD4-2	Connecting the Embryo: Anatomical Network Analysis of the Skeletal Development of the Altricial Monk Parakeet (Aves: Psittaciformes)	<i>Carril J, Tambussi CP, Rasskin-Gutman D*; Universidad Nacional de La Plata, Universidad Nacional de Córdoba, University of Valencia</i>
16:00	MOD4-3	Rates of Evolution in the Skeleton of Extant Birds (Neornithes)	<i>Bjarnason A*, Orkney A, Benson RBJ; University of Oxford</i>