REVIEW
V. Pinto, M. J. Pinho, and P. Soares-da-Silva
Renal amino acid transport systems and essential hypertension 2927-2938

HYPOTHESIS
J. Elferich, D. M. Williamson, B. Krishnamoorthy, and U. Shinde
Propeptides of eukaryotic proteases encode histidines to exploit organelle pH for regulation 2939-2945

RESEARCH COMMUNICATIONS
Md. A. H. Khan, J. Liu, G. Kumar, S. X. Skapek, J. R. Falck, and J. D. Imig
Novel orally active epoxyeicosatrienoic acid (EET) analogs attenuate cisplatin nephrotoxicity 2946-2956
M. C. Moh, P. A. Lorenzini, C. Gullo, and H. Schwarz
Tumor necrosis factor receptor 1 associates with CD137 ligand and mediates its reverse signaling 2957-2966
C. Yan, P. A. Ward, X. Wang, and H. Gao
Myeloid depletion of SOCS3 enhances LPS-induced acute lung injury through CCAAT/enhancer binding protein δ pathway 2967-2976
Regulation and function of immunosuppressive molecule human leukocyte antigen G5 in human bone tissue 2977-2987
W. Jiang, Y. Nakayama, J. M. Sequeira, and E. V. Quadros
Mapping the functional domains of TCblR/CD320, the receptor for cellular uptake of transcobalamin-bound cobalamin 2988-2994
W. C. Hong and S. G. Amara
Differential targeting of the dopamine transporter to recycling or degradative pathways during amphetamine- or PKC-regulated endocytosis in dopamine neurons 2995-3007
B. Ramkhelawon, D. Rivas, and S. Lehoux
Shear stress activates extracellular signal-regulated kinase 1/2 via the angiotensin II type 1 receptor 3008-3016
Monocytes mediate metastatic breast tumor cell adhesion to endothelium under flow 3017-3029
M. N. Leelaram, A. G. Bhat, A. A. Godbole, R. S. Bhat, R. Manjunath, and V. Nagaraja
Type IIA topoisomerase inhibition by clamp closure 3030-3038

(continued)
J. Sroubek, Y. Krishnan, and T. V. McDonald
Sequence and structure-specific elements of HERG mRNA determine channel synthesis and trafficking efficiency 3039-3053

L. K. Chaganti, R. R. Kuppili, and K. Bose
Intricate structural coordination and domain plasticity regulate activity of serine protease HtrA2 3054-3066

L. Wei, J. Wu, H. Liu, H. Yang, M. Rong, D. Li, P. Zhang, J. Han, and R. Lai
A mycobacteriophage-derived trehalose-6,6'-dimycolate-binding peptide containing both antiinmycobacterial and anti-inflammatory abilities 3067-3077

Crosstalk between the equilibrative nucleoside transporter ENT2 and alveolar Adora2b adenosine receptors dampens acute lung injury 3078-3089

The minor allele of the missense polymorphism Ser251Pro in perilipin 2 (PLIN2) disrupts an α-helix, affects lipolysis, and is associated with reduced plasma triglyceride concentration in humans 3090-3099

S. Condello, L. Cao, and D. Matei
Tissue transglutaminase regulates β-catenin signaling through a c-Src-dependent mechanism 3100-3112

K. U. Schallreuter, M. A. E. L. Salem, S. Holtz, and A. Panske
Basic evidence for epidermal H2O2/ONOO−-mediated oxidation/nitration in segmental vitiligo is supported by repigmentation of skin and eyelashes after reduction of epidermal H2O2 with topical NB-UVB-activated pseudocatalase PC-KUS 3113-3122

M. Keszei, C. Detre, W. Castro, E. Magelky, M. O'Keefte, K. Kis-Toth, G. C. Tsokos, N. Wang, and C. Terhorst
Expansion of an osteopontin-expressing T follicular helper cell subset correlates with autoimmunity in B6.Sle1b mice and is suppressed by the H1-isoform of the Slamf6 receptor 3123-3131

Leukotriene B4 type-1 receptor signaling promotes liver repair after hepatic ischemia/reperfusion injury through the enhancement of macrophage recruitment 3132-3143

Group B Streptococcus pilus sortase regulation: a single mutation in the lid region induces pilin protein polymerization in vitro 3144-3154

Epidermal growth factor-induced cellular invasion requires sphingosine-1-phosphate/sphingosine-1-phosphate 2 receptor-mediated ezrin activation 3155-3166

J. Meng, J. Wang, G. W. Lawrence, and J. O. Dolly
Molecular components required for resting and stimulated endocytosis of botulinum neurotoxins by glutamatergic and peptidergic neurons 3167-3180

Activated α2-macroglobulin induces Müller glial cell migration by regulating MT1-MMP activity through LRP1 3181-3197 (continued)
Human glutathione S-transferase A (GSTA) family genes are regulated by steroidogenic factor 1 (SF-1) and are involved in steroidogenesis

Human glutathione S-transferase A (GSTA) family genes are regulated by steroidogenic factor 1 (SF-1) and are involved in steroidogenesis

Nuclear monomeric integrin αv in cancer cells is a coactivator regulated by thyroid hormone

Loss of actomyosin regulation in distal arthrogryposis myopathy due to mutant myosin binding protein-C slow

Asn441 plays a key role in folding and function of the Na+/I− symporter (NIS)

Brain interstitial oligomeric amyloid β increases with age and is resistant to clearance from brain in a mouse model of Alzheimer's disease

Maternal-fetal transfer of selenium in the mouse

Vascular endothelial growth factor is important for brown adipose tissue development and maintenance

A novel peptide carrier for efficient targeting of antigens and nucleic acids to dendritic cells

Sphingomyelin regulates the transbilayer movement of diacylglycerol in the plasma membrane of Madin-Darby canine kidney cells

Multiple coagulation factor deficiency protein 2 contains the ability to support stem cell self-renewal

Leukotriene B4 receptor BLT2 negatively regulates allergic airway eosinophilia

Neutrophil-mediated oxidation of erythrocyte peroxiredoxin 2 as a potential marker of oxidative stress in inflammation

Maternal folate depletion and high-fat feeding from weaning affects DNA methylation and DNA repair in brain of adult offspring

The prevalence of loss of imprinting of H19 and IGF2 at birth

Apolipoprotein A5 deficiency aggravates high-fat diet-induced obesity due to impaired central regulation of food intake
<table>
<thead>
<tr>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. López-Montero, P. López-Navajas, J. Mingorance, G. Rivas, M. Vélez, M. Vicente, and F. Monroy</td>
<td>3363-3375</td>
</tr>
<tr>
<td>Intrinsic disorder of the bacterial cell division protein ZipA: coil-to-brush conformational transition</td>
<td></td>
</tr>
<tr>
<td>K. K. Biggar, E. Kotani, T. Furusawa, and K. B. Storey</td>
<td>3376-3383</td>
</tr>
<tr>
<td>Expression of freeze-responsive proteins, Fr10 and Li16, from freeze-tolerant frogs enhances freezing survival of BmN insect cells</td>
<td></td>
</tr>
<tr>
<td>Lack of myotubularin (MTM1) leads to muscle hypotrophy through unbalanced regulation of the autophagy and ubiquitin-proteasome pathways</td>
<td></td>
</tr>
<tr>
<td>Carbon monoxide inhibition of Cav3.2 T-type Ca(^{2+}) channels reveals tonic modulation by thioredoxin</td>
<td></td>
</tr>
<tr>
<td>Errata</td>
<td>3408</td>
</tr>
<tr>
<td>Erratum and Addendum</td>
<td>3409-3411</td>
</tr>
</tbody>
</table>

**Cover Legend:** Katrina van Grouw (1965–): Trumpet Manucode (*Manucodia keraudrenii*), digitally colored pencil drawing: *The Unfeathered Bird*, Princeton University Press, 2013, page 278. van Grouw’s monumental new book might be subtitled “Bare Bones Audubon.” A former curator of ornithology (The Natural History Museum, London) and holder of a master's degree from the Royal College of Art, van Grouw has crafted 385 dramatically vivid illustrations of the structure and function of the avian interior. Unlike Audubon, none of her birds was shot (or eaten). Specimens from all corners of the globe were sent to her home in Buckinghamshire by scientists, pigeon fanciers, poultry farmers, and international museums. They were then plucked, skinned, and boiled; their bones and carcasses then reassembled in lifelike poses on Audubon-like wire trellises where they could be drawn from various angles. The Trumpet Manucode on our cover is the “ugly duckling” in a family of birds with show-stopper plumage (*Paradisaeidae*), a disadvantage for which the Manucode compensates with a stentorian, trumpet-like bird call. The sound is produced by the bird’s exaggeratedly long windpipe (trachea), stretching from the base of its bill to the abdomen, where it forms a tight coil between its breast muscles and skin. van Grouw’s animated portrayal shows the bird tooting its horn in display posture. In this issue, we learn that allergic airway inflammation in asthma can be regulated by BLT2, a low-affinity receptor for leukotriene B4 on CD4\(^+\) T cells. Image courtesy Katrina van Grouw; text by Ann Weissmann, fine arts editor.