PAH is a devastating disease characterized by endothelial cell injury, in situ thrombi and right ventricular hypertrophy. Animals engrafted with hematopoietic stem cells from PAH patients, but not from healthy control participants, had increased mobilization of progenitor cells in the peripheral blood, just like...
Currently ongoing projects involve investigation of different strategies to block angiogenesis in mouse models to study how this effects asthma.

Kewal Asosingh was born and raised in Suriname, a former Dutch colony in the tropical North-East of South-America. He obtained his Bachelor (1993) and Master degree (1995) in Biomedical Sciences cum laude at Brussels Free University. In those days, PhD positions in Belgium were full-time jobs, which were not open for foreign nationals. The Brussels Free University granted him a competitive two-year full scholarship to follow an advance Master program in Medical and Pharmaceutical Research, which allowed Kewal to stay in research. During these two years he worked in the Clinical Laboratory for Hematology and Immunology, lead by Prof. Dr. M Dewaele, where he was trained in flow cytometry and studied CD34+ bone marrow stem cells. In 1997, he obtain this Master degree also cum laude. The Dean of the Faculty of Medicine granted Kewal a four-year full scholarship from the University to complete a PhD training in Medical Sciences.

He graduated in 2001 with 4 first author publications, in high impact journals, like Blood and Cancer Research. After the PhD, he spent two additional years in the Department of Hematology to finish the ongoing work and complete his research papers. He became a laureate of the Belgian Royal Academy of Medicine in 2003. In 2004 he was recruited to the Cleveland Clinic Foundation by Dr. Erzurum. During this time evidence was emerging that bone marrow hematopoietic stem cells have crucial proangiogenic functions. Given his background in hematopoietic progenitor cells, Dr. Asosingh became a pioneer in studying the role of proangiogenic hematopoietic stem cells in asthma and pulmonary arterial hypertension. In 2009 he transitioned to his current position of Assistant Professor of Molecular Medicine and since last year he has been appointed as Staff Scientist. Since 2011 he has been selected as a Scholar of the International Society for Advancement of Cytometry. This program is designed to enhance the scientific and leadership experiences of emerging leaders in the field of cytometry. http://isac-net.org/
Presentations/Speakers

Brian Southern, M.D.
presented a poster at the American Thoracic Society Poster Discussion Session on May 21st. His presentation was titled, “Consequences of Myosin Activation in Fibroblasts Vary in Normal Versus Fibrotic Lung”

Dennis Stuehr, Ph.D.
was invited as a visiting professor by Department of Biochemistry, University of Michigan. His seminar took place on April 16th and was entitled: “Mechanisms regulating NO synthase assembly and catalysis”

Dave Mosinski gave an oral presentation at Experimental Biology on April 23rd entitled, “Roux-en-Y Gastric Bypass Surgery Prevents Diet-Induced Hepatic Steatosis and Endoplasmic Reticulum Stress in the Liver of Obese Rats”.

Ciaran Fealy, BSc.
presented a poster at Experimental Biology entitled, “Lifestyle Intervention Reduces Skeletal Muscle Dynamin-Related Protein-1 (Drp1) Activation in Obese Insulin Resistant Humans”

Toshihiro Okamoto, M.D.,
gave a mini oral poster presentation at the 2013 International Society for Heart and Lung Transplantation, April 25th, 2013 in Montréal Canada. T. Okamoto, D. Wheeler, P. Shen, S. Keshavamurthy, A. Rafael, K.R. McCurry. Ex Vivo Lung Perfusion of Rejected Human Donor Lungs; Are Donor Lungs with Prolonged Cold Ischemic Time Re-Conditioned by EVLP?

-He also gave a poster presentation at the same conference, April 24th, 2013. Selective Main Bronchus Clamping and Utilization of Incremental PEEP To Recruit a Total Right Lung Collapse during Ex Vivo Lung Perfusion.

-He also served as a Moderator for a poster session (Posters 402-407) at the 2013 International Society for Heart and Lung Transplantation, April 24th, 2013 in Montréal Canada.
Presentations/Speakers Continued...

**Jarrod Barnes, Ph.D.** presented a platform talk and poster at the 2013 PEG Research Conference at the Cleveland Clinic. The title of the talk is “Glucose Metabolic Flux Regulates Nitric Oxide and Hyaluronan Pathologic Matrices in Idiopathic Pulmonary Arterial Hypertension”.

**Frank Cikach, B.S.** presented two platform talks and posters at the 2013 ATS Meeting in Philadelphia, PA. The title of his talks are “Single Exhaled Breath Metabolomic Analysis in Pulmonary Hypertension” and “Breath Analysis Reveals Shift to Aerobic Glycolysis in Pulmonary Arterial Hypertension Patients.” Frank was formerly a tech for the Dweik lab and is now a medical student at CCLCM.

**David Grove, Ph.D.** presented his work for the Pathobiology Seminar Series. The title of the talk is “Breath and Blood Headspace Analysis Selected Ion Flow Tube Mass Spectrometry.”

**Georgiana Cheng, M.D.,** presented two posters at the 9th International Conference on Hyaluronan in June in Oklahoma City, OK. The titles of her posters were, “Deletion of Hyaluronan Synthase 1_3 Delays Hyaluronan Response Seen in a Murine Model of Acute Asthma” and “Temporal and Spatial Formation of a Pathological Alteration of Hyaluronan Matrices in the Lungs of Mice Subjected to Asthma”.

**Alana Majors, Ph.D.** presented a platform talk and poster at the 9th International Conference on Hyaluronan in June in Oklahoma City, OK. The title was “Nitric Oxide Upregulates Hyaluronan Deposition by Airway Smooth Muscle Cells and is Associated with Hyaluronan Levels in Asthmatics”.

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**Alana Majors**

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**Georgiana Cheng**

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**David Grove**

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**Frank Cikach**

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**Jarrod Barnes**
Awards

Claudio Fiocchi, M.D.
has been awarded the
International Herbert
Falk Award.

An award for his outstanding
contributions to gastroenterology, including advances
in diagnosis, therapy and preven-
tion. This prize will be
presented to him at the Falk
Symposium 190 in London
on October 3rd, 2013. Dr.
Fiocchi will give a 30 minute
lecture at the Symposium.

Cynthia Beall,
Ph.D. was named
to the American
Academy of Arts
and Sciences

College of Medicine of
Case Western Reserve Univer-
sity on Saturday, May 18th.
She was honored at the
graduation ceremony and at
a private reception where
she dined with Dr. Toby
Cosgrove, Mrs. Norma Lerner,
Dr. James Young and
other Cleveland Clinic offi-
cials.

Alana Majors, Ph.D. re-
ceived the Award for Ex-
cellence in Research Educa-
tion from the Cleveland
Clinic Lerner

Satish Kalhan, M.D., was awarded
the 2012 AAP Samuel J. Fomon Nutri-
tion Award for recognition of out-
standing achievements in research rel-
ating to nutrition of infants and chil-
dren by the American Academy of
Pediatrics Committee on Nutrition.

Sudakshina Ghosh, Ph.D.,
and Luciana
Hannibal, Ph.D. were
awarded a Tier 4 Caregiver
Award for their work on the
LRI Postdoctoral Association
Council.

Kenneth McCurry,
M.D. received the Life-
time Achievement Award
from his High School,
Land O’Lakes High
School (Land O’Lakes,
FL)
Scientist and Tech of the Month

Sean Kessler, Ph.D.
April Scientist of the Month

Deborah Durra, B.S.
April Tech of the Month

Jarrod Barnes, Ph.D.
May Scientist of the month

Carol Bennett
May Tech of the month

Kourtney Nickerson, B.S.
June Scientist of the month

Jazmine Danner, B.A.
June Tech of the month
Featured Award:

Kewal Asosingh, Ph.D. received an award from his home country, Suriname, for his academic achievements.

Dr. Kewal Asosingh has been decorated in his home country, Suriname, for his academic achievements. This year the country is celebrating 140 years of Indian immigration in Suriname. Starting February 26th, 1873 a total of 35,000 British-Indians were immigrated from India to Paramaribo, capital of Suriname, to meet the local labor demand. The first ship named “Lalla Rookh” arrived in Paramaribo on June 5th of the same year. The integration path for the immigrants was not without struggle and bloodshed. They fought for better labor conditions and right to cultural freedom against the Dutch Colonists with success. During these protests several were killed on both sides. Today descendants of these brave Indian immigrants are home in Suriname and are contributing substantially to the development of the country. Many are successful business owners, employed in highly skilled professionals or hold high-ranking official positions. Dr. Asosingh has been honored among the top successful descendants in diaspora. Dr. Asosingh’s mother was present to accept the award on his behalf.

Publications

From Kirwan lab:


Kewal Asosingh, received an award from his home country, Suriname, for his academic achievements. Dr. Kewal Asosingh has been decorated in his home country, Suriname, for his academic achievements. This year the country is celebrating 140 years of Indian immigration in Suriname. Starting February 26th, 1873 a total of 35,000 British-Indians were immigrated from India to Paramaribo, capital of Suriname, to meet the local labor demand. The first ship named “Lalla Rookh” arrived in Paramaribo on June 5th of the same year. The integration path for the immigrants was not without struggle and bloodshed. They fought for better labor conditions and right to cultural freedom against the Dutch Colonists with success. During these protests several were killed on both sides. Today descendants of these brave Indian immigrants are home in Suriname and are contributing substantially to the development of the country. Many are successful business owners, employed in highly skilled professionals or hold high-ranking official positions. Dr. Asosingh has been honored among the top successful descendants in diaspora. Dr. Asosingh’s mother was present to accept the award on his behalf.

Publications

From Kirwan lab:


Publications Continued...

Kirwan Continued...

From Nagy lab:
Chiang DJ, Roychowdhury S, Bush K, McMullen MR, Pisano S, Pritchard MT, Nagy LE. Adenosine 2A receptor antagonist prevented and reversed liver fibrosis in a mouse model of ethanol-exacerbated liver fibrosis. PLOS One, accepted.

From Piedimonte Lab:

From Stuehr Lab:

# Happy Birthday Pathobiology Members

## April:
- Gail West 4/1
- Ahila Subramanian 4/6
- Jennie Newman 4/11
- Eleni Stylianou 4/12
- Chaorui Tian 4/14
- Pam Berk 4/19
- Jennifer Rodgers 4/20
- Ciaran Fealy 4/22
- John Kirwan 4/24
- Katherine Pollard 4/26

## May:
- Daniel Laskowski 5/1
- Colin Venner 5/7
- Artin Soroosh 5/8
- Kewal Asosingh 5/10
- Gustavo Heresi 5/12
- Carole Bennett 5/13
- Zhiqiang Wang 5/13
- Craig Homer 5/21
- Michelle Koo 5/23
- Lauren Kearney 5/27
- Carol Farver 5/29

## June:
- Mekki Bayachou 6/1
- Liping Tian 6/3
- Luma Dababneh 6/3
- Dipak Ghosh 6/3
- Marybeth Boyle 6/4
- Toshi Okamoto 6/5
- Ritu Chakravarti 6/6
- Georgianna Cheng 6/6
- Kathryn Niese 6/9
- Christine Chen 6/11
- Julianne Filion 6/14
- Hazel Huang 6/15
- Amrita Kabi 6/18
- Samantha Gendelman 6/19
- Laura Peterson 6/19
- Suzy Comhair 6/22

## July:
- Jean Paul Achkar 07/01
- Alana Majors 07/04
- Emily Louis 07/04
- Christine McDonald 07/08
- Megan Park 07/09
- Mark Aronica 07/20
- Lisa Ruple 07/24
- Amanda Scelsi 07/26

## August:
- Florian Rieder 8/2
- Stephan Nieuwoudt 8/4
- Angela Steitz 8/11
- Raed Dweik 8/20
- Cynthia Beall 8/21
- Megan McMullen 8/27
- Nicole Fennell 8/28
Pathobiology Poster Session and Department Picnic 2013