



NEWSLETTER 2018 --中美肺科学会 (Chinese-American Lung Association - CALA)

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Introduction

•那是六年以前的事了。在2011年秋天的一个秋高气爽的夜晚，我和咱们CALA的首任主席(理事长)，学会创始人苏运超先生在FAMRI审核基金项目。晚上的自由活动时间里，我们吃了一顿饭。在去餐馆的路上，我们娓娓谈心，应该是惺惺相惜，对世界上一些事情的看法也大同小异，很有相见恨晚的感觉。苏运超历来大方出手，吃完饭，他一把捂住我的手不让我付钱。我说好的，下次我来。可这下次，是什么时候呀。后来每年他还要把学会注册，交税等等事儿，操劳在心，所以是不在其位，仍然谋其政的好领导。赫赫！

•苏博士那晚上提出一个见解，咱们应该把肺科学界的中国人联合起来，尽管人数不多，但是组织起来就有力量了。将来必定互相帮助，共同进步。我立马赞同，称赞他有眼光，勇于担当。我亦知道他曾经和其他数名从事肺研究的华人关于此事有过沟通。

•苏运超教授话不多，人却实在。说一不二，回去不久，就张罗起来了，滚雪球一般的，通过互联网联系了不少人(大概30几个)。先是注册学会，建立章程，网上讨论，很快就有了苗头。经过一年多的酝酿，终于在2013年在费城正式创立。第一次就有了三十多人参加晚宴，还有当时的华人长辈德高望重的吴REEN教授参加，并颁给他杰出成就奖状。后来又换了几届主席，包括蒋典华，褚宏伟，赵宇彤，狄元灏，等等工作非常出色。因此我们的队伍不断壮大，现在差不多一百人了。还有活跃非凡的微信群，是大家每日联系的纽带，比传统的WEBSITE方便多了。

•尽管CALA经历了一些风风雨雨，我们一路走来不断发展壮大，没有苏运超教授的大力支持，辅助和扶持，一切似乎都不可能。因此，我作为一个参与了最早活动和酝酿的人，一个历史的见证人感到荣幸也感到信心百倍，感到我们学会前途无量，也衷心希望我们的学会越来越好。

•革命事业蒸蒸日上，新的科学家势头凶猛，一代胜过一代。回忆过去，浮想联翩；展望未来，不免心情愉悦。希望CALA越来越强大，越来越兴旺，后继有人！主要是在学术领域出类拔萃，在美国和世界上有一块地盘，甚至召集召开自己独立的学术会议，造成一定的学术影响。 -- **By Min Wu, May 7, 2018**

Organization Chart

	Committee Chair for election:
	International Board Member: Chunxue Bai, MD, Ph.D.
Founding President: Yunchao Su, MD, Ph.D.	Alternate Board Member: Yuanlin Song, Ph.D.
Past President Peter Di, PhD	Development Committee: Yin Chen, MD, PhD
President: Min Wu, MD, PhD	Membership Committee : Weiguo Chen, Ph.D.
President-Elect: Qiang Ding, MD, Ph.D.	Program Committee : Jinghong Li, Ph.D.
Treasurer: Qing Lu, MD	Nominations Committee : Jian Fu., MD, Ph.D.
	Social Media Committee: Xiaobo Zhou, MD, Ph.D.

Publications, progress and person to watch

Recent publications

Single Cell Deconvolution of Fibroblast Heterogeneity in Mouse Pulmonary Fibrosis.

Xie T, Wang Y, Deng N, Huang G, Taghavifar F, Geng Y, Liu N, Kulur V, Yao C, Chen P, Liu Z, Stripp B, Tang J, Liang J, Noble PW, Jiang D.
Cell Rep. 2018 Mar 27;22(13):3625-3640. doi: 10.1016/j.celrep.2018.03.010.

Claudin-18-mediated YAP activity regulates lung stem and progenitor cell homeostasis and tumorigenesis.

Zhou B, Flodby P, Luo J, Castillo DR, Liu Y, Yu FX, McConnell A, Varghese B, Li G, Chimgé NO, Sunohara M, Koss MN, Elatre W, Conti P, Liebler JM, Yang C, Marconett CN, Laird-Offringa IA, Minoo P, Guan K, Stripp BR, Crandall ED, Borok Z.
J Clin Invest. 2018 Mar 1;128(3):970-984. doi: 10.1172/JCI90429. Epub 2018 Feb 5.

Reen Wu, a pioneer in Air liquid interface for lung biology research

Air-Liquid Interfaced (ALI) epithelial cell culture system is one of the most representative and recognized models of simulating airway epithelium that was first published in 1988 by Dr. Reen Wu*. This landmark paper made it possible for lung biology researchers around the world to have a method and tool to investigate the airway epithelial cell biology in various aspects. It is the only cell culture system to generate well-differentiated airway epithelial cells and recapitulate the unique feature for these epithelial cells with direct contact with air rather than the submerged cell culture system. Lung biologists owe Dr. Wu big thanks for developing this paradigm shifting technique. -- Written by Dr. Peter Y. Di

*:*In Vitro Cell Dev Biol.* 1988 May;24(5):420-8.
A biphasic chamber system for maintaining polarity of differentiation of cultured respiratory tract epithelial cells.

Person in spotlight Dr. Qing Lu

Publications (2017-18):

Sakhatskyy P, Wang Z, Borgas D, Lomas-Neira J, Chen Y, Ayala A, Rounds S. and **Lu Q.** Double-hit mouse model of cigarette smoke priming for acute lung injury. *American Journal of Physiology Lung Cellular and Molecular Physiology*, 2017, 312: L56-67. PMID: PMC5283923.
Lu Q, Mundy M, Chambers E, Lange T, Newton J, Borgas D, Yao H, Choudhary G, Basak R, Oldham M, Rounds S. Alda-1 protects against acrolein-induced acute lung injury and endothelial barrier dysfunction. *American Journal of Respiratory Cell and Molecular Biology*, 2017; 57 (6): 662-673. PMID: 28763253.
Chambers E, Rounds S. and **Lu Q.** Pulmonary endothelial cell apoptosis in emphysema and acute lung injury. *Advances in Anatomy, Embryology and Cell Biology 2018; 228: 63-86. PMID: 29288386.*
Lu Q, Gottlieb, E., Rounds, S. Effects of cigarette smoke on pulmonary endothelial cells. *American Journal of Physiology Lung Cellular and Molecular Physiology*, 2018, 314(5):L743-L756.
Vang A, Clements R, Chichger H, Kue N, Allawzi A, O'Connell KA, Jeong EM, Dudley SC jr, Sakhatskyy P, **Lu Q**, Zhang P, Rounds S, Choudhary G. Effect of $\alpha 7$ nicotinic acetylcholine receptor activation on cardiac fibroblasts: a mechanism underlying RV fibrosis associated with cigarette smoke exposure. *American Journal of Physiology Lung Cellular and Molecular Physiology*. 2017, 312: L748-59. PMID: PMC5451597.
Rounds S. **Lu Q.** Cigarette smoke alters lung vascular permeability and endothelial barrier function. *Pulmonary Circulation*. Revision submitted.

Manuscripts in preparation:

Ji YP, Tingyu Shi TY, Zhang YY, Lin D, Linghu K, Xu Y, Tao L, **Lu Q. (co-corresponding author)***, Shen X*. Essential oil from *Fructus Alpinia Zerumbet* protects against aortic endothelial cell activation, inflammation and injury in vivo and in vitro.
Wang Z, Ko J, White A, **Lu Q.** HDAC6 contributes to cigarette smoke-induced mitochondrial dysfunction in lung endothelial cells.
White A, Wang Z, Wang X, Rounds S, **Lu Q.** Cigarette smoke exacerbates *Pseudomonas aeruginosa*-induced acute lung injury via NLRP3 inflammasome activation.
Chambers E, White A, Wang Z, Ayala A, Rounds S, Blackburn M, **Lu Q.** Inhibition of ENT1 protected against *Pseumoinas aeruginosa*-induced acute lung injury via adenosine receptor-mediated suppression of inflammasome activation.

New services (2017-18):

NIH RIBT study section, ad hoc Member (November, 2017)
NIH LCMI study section, ad hoc Member (June, 2018)
Member of the Medical Faculty Executive Committee, Brown Medical School

CALA gathering 2018

Welcome everyone to join us for BRUNCH in San Diego Sunday May 20; 11:30AM PCT, Never be too late. Searsucker (611 Fifth Ave, San Diego, CA 92101).

(1) It is free for members but charge \$35 for each person who is not a member (on site joining is considered as active members). The membership fee is \$50 or higher.

(2) Agenda including academic exchanges, people can give a brief speech about their recent progress in exciting sciences, awards for two junior faculty for presenting work in ATS and in the CALA meeting (please send your abstract to me as below for consideration of these awards for \$400 travel expenses meeting abstract, ticket or hotel, etc.).

(3) We will announce an award for outstanding service (so far by majority votes from the executive members, we nominated Dr. Dianhua Jiang for his excellent work for CALA), please let us know if you have any concerns.

(3) We encourage your submission of news materials to be put in the Newsletter of the CALA, including research breakthrough, good publications, funding, relocation and suggestions about Bylaws revision (year around).

•(4) For the Committee business: We have added a Social Media Committee (Dr. Xiaobo Zhou nominated Chair the same below), and vote for other committee chair by email from now: the Development Committee (Dr. Yin Chen), the Membership Committee (Dr. Weiguo Chen), the Program Committee (Dr. Jinhong Li), Alternate Board Member (Yuanlin Song), and the Nominations Committee (Dr. Jian Fu). If no against, these nominees are set to be final on ballot for election and approved in the gathering.

[Please join the gathering, never be too late!](#)

Submission to Newsletter

Please send your lovely story to CALA Newsletter to let more friends to know about you (Min.wu@med.und.edu). Do you have a suggestion for Chinese translation of CALA?

Acknowledgements

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