

Curriculum Vitae

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EDUCATION:

Barnard College (Cum laude)	BA	1983-1987
New York Univ. School of Medicine	MD	1988-1992
New York Univ. School of Medicine (Internal Medicine Internship/Residency)		1992-1995
Johns Hopkins University School of Medicine (Pulmonary/Critical Care Fellowship)		1995-1999
George Washington University (Healthcare MBA)	MBA	2012-2014

AWARDS:

American Lung Association Postdoctoral Fellowship		1997-1998
Howard Bank Scholarship for Harvard's Leadership for Physician Executive Seminar		January 2012

BOARD CERTIFICATIONS:

Critical Care Medicine
Pulmonary Medicine

EXPERIENCE:

Current Positions:

Annapolis Asthma, Pulmonary Pulmonary, and Sleep Specialists Board Member		1999-Present
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and Partner

ICU Medical Director	2010-Present
Medical Informatics Committee member	2012-Present
Physician-Hospital Organization Steering Committee	2014-Present

Past Positions:

EPIC Physician Work Group	2010-2012
Physician Synergy Committee	2009-2010
Member-At-Large Medical Executive Board	2007-2012
Strategic Taskforce Planning Committee	2008-Present
Co-Chair of Medical Staff Campaign	2009-2011
Physician Liaison-Living Legacy	2008-Present
Campaign Cabinet	2007-2009

BIBLIOGRAPHY:

- Becker PM, Alcasabas A, Yu AY, Semenza GL, Bunton, TE. Oxygen-independent upregulation of vascular endothelial growth factor and vascular barrier dysfunction during ventilated pulmonary ischemia in isolated ferret lungs. *Am J Respir Cell Mol Biol* 22 (3): 272-9, 2000.
- Bergeron M, Yu AY, Solway KE, Semenza GL, Sharp FR. Induction of hypoxia-inducible factor-1 (HIF-1) and its target genes following focal ischaemia in rat brain. *Eur J Neurosci* 11 (12): 4159-70, 1999.
- Bergeron M, Gidday JM, Yu AY, Semenza GL, Ferriero DM, Sharp FR. Role of hypoxia-inducible factor-1 in hypoxia-induced ischemic tolerance in neonatal rat brain. *Ann Neurol* 48 (3): 285-96, 2000.
- Iyer NV, Kotch LE, Agani F, Leung SW, Laughner E, Wenger RH, Gassman M, Gearhart JD, Lawler AM, Yu AY and Semenza GL. Cellular and developmental control of O₂ homeostasis by hypoxia-inducible factor 1 a. *Genes Dev.* 12 (2): 149-62, 1998.
- Martin C, Yu AY, Jiang, B-H, Davis L, Kimberly D, Hohimer AR, and Semenza GL. Cardiac hypertrophy in chronically anemic fetal sheep: Increased vascularization is associated with increased myocardial expression of vascular endothelial growth factor and hypoxia-inducible factor 1. *Am J Physiol.* 275 (4 Pt 1): L818-26, 1998.
- Ozaki Hiroaki, Yu AY, Della N, Ozaki K, Luna JD, Yamada H, Hackett SF, Okamoto N, Zack DJ, Semenza GL, and Campochiaro PA. Hypoxia inducible factor-1-a is increased in ischemic retina: temporal and spatial correlation with VEGF expression. *Invest Ophthalmol Vis Sci.* 40: 182-189.

Pasternack P, Grossi E, Baumann G, Riles T, Lamparello P, Giangola G, Yu A, Mintzer R, Impartato A. Silent myocardial ischemia monitoring predicts late as well as perioperative cardiac events in vascular surgery patients. *J Vasc Surg* 16: 171-80, 1992.

Yu AY, Frid MG, Shimoda LA, Wiener CM, Stenmark K, and Semenza GL. Temporal, spatial, and oxygen-regulated expression of hypoxia-inducible factor 1 in the lung. *Am J Physiol*. 275: L818-L826, 1998.

Yu AY, Shimoda LA, Iyer NV, Huso DL, Sun X, McWilliams Rita, Beaty R, Sham JSK, Wiener CM, Sylvester JT, and Semenza GL. Impaired physiological responses to chronic hypoxia in mice partially deficient for hypoxia-inducible factor 1 a. *J Clin Invest*: 103: 691-696, 1999.

REVIEWS:

Semenza GL, Agani G, Booth G, Forsythe J, Iyer N, Jiang BH, Leung S, Roe R, Wiener C, and Yu A. Structural and functional analysis of hypoxia-inducible factor 1: from molecular biology to cardiopulmonary physiology. *Chest*, 114 (1 Suppl): 40S-45S, 1998.

Semenza GL, Agani F, Iyer N, Jiang BH, Leung S, Wiener C, and Yu A. Hypoxia-inducible factor 1: from molecular biology to cardiopulmonary physiology. *Chest*, 114 (1 Suppl): 40S-45S, 1998.

ABSTRACTS:

Yu AY, Wiener CM, Booth G, and Semenza GL. Hypoxia-inducible factor-1 (HIF-1) is induced in hypoxia isolated ferret lungs. *Am J Resp Crit Care Med* 155: A689, 1997.

Yu AY, Iyer NV, and Semenza GL. Impaired physiological responses to chronic hypoxia by mice partially-deficient in expression of HIF-1 a. *Am J Resp Crit Care Med* 157: A13, 1998.

Yu AY, Alcasabas A, Semenza G, and Becker P. Differential regulation of vascular endothelial growth factor (VEGF) during ventilated pulmonary ischemia. Tom Petty Aspen Lung Conference, June 1998.

SEMINARS:

Pulmonary and Critical Care Division, Johns Hopkins University School of Medicine, Baltimore, MD. The expression of hypoxia-inducible factor 1 in the lung and its role in pulmonary hypertension. April, 1998.

American Lung Association/American Thoracic Society International Conference, Chicago, IL. Impaired physiological responses to chronic hypoxia by mice partially-deficient in expression of HIF-1a. April, 1998.