

To Be or Not to Be (a scientist) ?

***(emotional and rational arguments for
physicians' engagement in research)***



Science Can Make People Happier

Ludwik Hirsfeld (1984-1954)

Medicus curat, natura sanat

Physician treats, nature heals

The Vanishing Physician- Scientist?

Edited by

ANDREW I. SCHAFER, MD



Perspective: The Successful Physician-Scientist of the 21st Century

Clinical and Translational Science Network

By Andrew I.Schafer
May 28, 2010

Physician-scientists have always brought a unique perspective to biomedical research that is inspired by their personal experience in caring for patients. Indeed, throughout history, physicians have played a central role in advancing the science of medicine as the "translators" of medical research. Yet there has been growing concern over the past 3 decades that the workforce of physician-scientists, at least in the form we have come to know them in previous generations, may be vanishing.

Without a doubt, this is a difficult period to become a physician-scientist. Rather than railing against the system, you should be a constructive, even outspoken, catalyst for change in your home institution.

JCI The Journal of Clinical Investigation

Book Review

The vanishing physician-scientist?: *The culture and politics of health care work*

Arthur Gutierrez-Hartmann

University of Colorado Denver, Aurora, Colorado, USA

Published May 3, 2010

Ever since James Wyngaarden sounded the initial alarm in 1979 that the physician-scientist was becoming an “endangered species,” there has been a crescendo of publications, initiatives, task forces, summits, and consensus conferences, revealing the very public hand-wringing by luminaries in academic medicine over this critical issue. Not surprisingly, physician leaders,...

Edited by Andrew I. Schafer. Cornell University Press. Ithaca, New York, USA

Volume 120, Issue 5 (May 3, 2010)

J Clin Invest. 2010;120(5):1367–1367. doi:10.1172/JCI43073.

Vanishing PT

or

vanishing concept of "triple-threat-PT (moving each day between the lab, the clinic and the classroom)

8:00 morning meeting

8:30 - 10 grand rounds (with students)

11:00 meeting, discussions about patients

13: lab data available, clinical decision making

**Sloan-Kettering Institute for Cancer Research: each Monday
Immunobiology Clinic, led by Robert A.Good, M.D.**

**Fred Hutchinson Cancer Research Center (one month of
attending physician each year).**



7/16/70
For Dr. Andrew
Kovacs

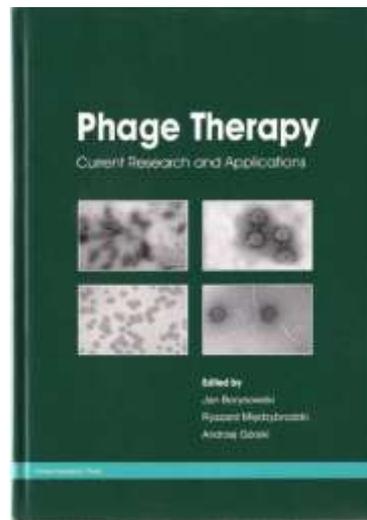


Are physician scientists indispensable to the medical research enterprise?

Yes: they bring the unique approach and perspective asking questions related to their direct experience with patients.

My own perspective:

Efficacy of novel treatment for chronic rejection: thymic hormones with immunosuppression. Transpl Proc. 1989,21,2161.



to be reviewed by Clinical Infectious Diseases

Nature | News

Phage therapy gets revitalized

The rise of antibiotic resistance rekindles interest in a century-old virus treatment.

Sara Reardon

03 June 2014

News

Canadian academic health sciences centres must evolve to survive, taskforce warns

Barbara Kermode-Scott

Published 9 June 2010, doi:10.1136/bmj.c2993

Cite this as: BMJ 2010;340:c2993

Rescuing US biomedical research from its systemic flaws

Bruce Alberts, Marc W. Kirschner, Shirley Tilghman and Harold Varmusd

Edited by Inder M. Verma, The Salk Institute for Biological Studies, La Jolla, CA, and approved March 18, 2014 (received for review March 7, 2014)

The long-held but erroneous assumption of never-ending rapid growth in biomedical science has created an unsustainable hypercompetitive system that is discouraging even the most outstanding prospective students from entering our profession—and making it difficult for seasoned investigators to produce their best work. This is a recipe for long-term decline, and the problems cannot be solved with simplistic approaches. Instead, it is time to confront the dangers at hand and rethink some fundamental features of the US biomedical research ecosystem.

vol. 111 no. 16

Bruce Alberts, 5773–5777, doi: 10.1073/pnas.1404402111

What options are available today to a young MD graduate?

- **To practise medicine (including clinical medicine with an option to clinical research, mostly clinical trials)**

- **To do research – with, or without concurrent specialty training & board certification (safer course)**

Doing research

- pursue your own interests
- concentrate on matters most relevant to you
- learn something new

Uncertainty of employment perspectives

- Low salary
- Research funding increasingly difficult to obtain (2 – 17 % success rates)
- 40 years ago, a Polish resident's salary was approx. 3 – 5 % of his American colleague, today it may sometimes be comparable

Recruitment of young and senior MDs to research institutions

Research institutes belonging to PAS	Number of MDs employed (most part-time)
Institute of Medical Biology *	0
Institute of Pharmacology *	3
Institute of Immunology and Experimental Therapy	3
Institute – Medical Research Center* **	30
Institute of Genetics * +	3

* doctoral degree in medicinal biology

** medicine

+ director with MD

Oświadczenie

dotyczące zatrudnienia przy prowadzeniu badań naukowych lub prac rozwojowych

w roku 20.....

Na podstawie § 6 ust. 1 pkt. 1 oraz ust. 1a Rozporządzenia Ministra Nauki i Szkolnictwa Wyższego z dnia 5.11.2010 r. w sprawie kryteriów i trybu przyznawania oraz rozliczania środków finansowych na naukę na finansowanie działalności statutowej (Dz. U. z 2014r. poz. 90) oświadczam, że wyrażam zgodę*/ nie wyrażam zgody* na zaliczenie mnie do liczby osób zatrudnionych w:

.....
(nazwa podstawowej jednostki organizacyjnej WUM - wydziału)

przy prowadzeniu badań naukowych lub prac rozwojowych.

Grupa nauki:

(proszę zakreślić krzyżykiem **jedną grupę nauk**):

nauki medyczne kliniczne,

nauki medyczne niekliniczne,

nauki farmaceutyczne,

nauki o zdrowiu,

nauki biologiczne.

Jednocześnie oświadczam, że jestem świadomy, że powyższe oświadczenie mogę złożyć tylko w jednej wybranej przez siebie jednostce naukowej w rozumieniu przepisów o zasadach finansowania nauki.

Warszawa, dnia.....

.....
Podpis pracownika

Preparing research manuscripts

Medical writing

vs

Own endeavor



CURRENT CHALLENGES IN MEDICAL COMMUNICATION: DIAGNOSING AND CURING UNETHICAL PRACTICES

Międzynarodowa konferencja pod patronatem Prezesa Polskiej Akademii Nauk,
Ministra Zdrowia oraz Ministra Nauki i Szkolnictwa Wyższego

Warszawa, 8 października 2010 r.

Wykłady wygłoszą między innymi:

Prof. J. Engelbrecht, President, All European Academies (ALLEA)

Dr J. Overbeke, President, World Association of Medical Editors (WAME)

J. P. Kassirer, M.D. Distinguished Professor, Tufts University Medical School,
former editor, New England Journal of Medicine

C. W. Hamilton, PharmD, ELS, Principal, Hamilton House, former President,
American Medical Writers Association

Dr P. Gotsche, Director, Nordic Cochrane Centre, Rigshospitalet

Dr D. Healy, Cardiff University School of Medicine

Dr E. Wager, Chair, Committee on Publication Ethics

Dr D. Niese, Novartis Pharma AG

Miejsce konferencji: Instytut Biocybetyki i Inżynierii Biomedycznej PAN, ul. Ka. Trojdena 4, Warszawa

Udział w konferencji jest bezpłatny. Szczegółowy program oraz formularz zgłoszeniowy dostępne są na stronie internetowej www.aktualnosci.pan.pl, w zakładce "Konferencje, sympozja, seminaria".

Lekarze i lekarze dentyści mają możliwość uzyskania punktów edukacyjnych.

Szczegółowych informacji udziela sekretariat konferencji: medinfo@pan.pl, tel. 22 656 60 96.



Current challenges in medical communication: diagnosing and curing unethical practices

8 October 2010, Warsaw, Poland

J. P. Kassirer, M.D. Distinguished Professor, Tufts University Medical School, former editor, *New England Journal of Medicine*: ***Ghostwriting and the Public Trust***

C. W. Hamilton, PharmD, ELS, Principal, Hamilton House, former President, American Medical Writers Association: ***Don't Get Spooked! How to Collaborate With a Professional Medical Communicator (and Avoid Ghostwriting)***

Dr P. Gotzsche, Director, Nordic Cochrane Centre, Rigshospitalet, Copenhagen, Denmark: ***Ghostwriting is scientific misconduct***

Dr D. Healy, professor in psychological medicine, Cardiff University School of Medicine, UK: ***Ghosts are present in the medical machine***

Dr L. Wager, Chair, Committee on Publication Ethics, Sideview, Bucks, UK: ***What can journal editors do to prevent ghostwriting?***

Prof. J. Engelbrecht, President, All European Academies (ALLEA)

Dr J. Overbeke, President, World Association of Medical Editors (WAME); professor, Radboud University, Nijmegen Medical Center, The Netherlands; former editor, Dutch Journal of Medicine: ***Scientific misconduct: views from the WAME***

Dr T. Pasierski, chair, Dept. Medical Humanities, The Medical University of Warsaw: ***Did the ghostwriting problem reach new EU members?***

Dr A. Wnukiewicz-Kozłowska, Faculty of Law, Administration and Economics, University of Wrocław: ***The legal aspects of medical writing and ghostwriting***

J. Kosela MDA, Proper Medical Writing, Infrared s.c., Poland

D. Niese, Head, Global Development External Affairs, Novartis Pharma AG, Basel, Switzerland: ***Publication policies and medical writing in a pharmaceutical company***

THE LANCET

Role of medical writer or editor

- If a medical writer or editor was involved in the creation of your manuscript, we need a signed statement from the corresponding author to include their name and information about funding of this person
- This information should be added to the Acknowledgments and/or Contributors section
- We require signed statements from any medical writers or editors declaring that they have given permission to be named as an author, as a contributor, or in the Acknowledgments section

In Polish there are two different expressions: *opłaca się* [it pays off] and *warto* [it's worth it]. The first concerns income, profit, a favorable business transaction, while the second – *warto* - is associated with values. Certainly not everything which is worthy pays off. But with utmost certainty – and of this I am deeply convinced – not everything which pays off is of value in life.

Prof. W.Bartoszewski

Keeping one's interests in check is the very essence of academic integrity

***Jordan Cohen, M.D.*
*former President, AAMC***