

Anesthesiology & Critical Care News

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EDITOR'S NOTE

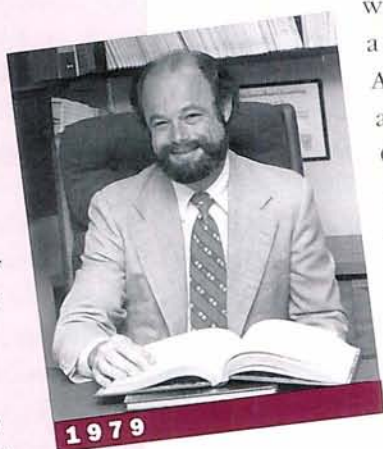
In this Spring edition of our departmental newsletter, you will find most interesting information on faculty members in the news, from our resigning chairman to residents and fellows receiving national awards. Once more, I wish to thank all editorial board members for their stimulating participation in the preparation of our newsletter. Specifically, we are grateful to our professional editors, Lisa Cohn and Francie Siegfried. While Francie has been everywhere in the newsletter, you will particularly enjoy reading her interview with Dr. Winter.

It is time to wish you all a pleasant Pittsburgh summer after an unusually long, cold and snowy winter. If you have recommendations for the upcoming Fall edition of our newsletter, please contact my office in Scaife Hall via the newsletter secretary, Joanne Woodson, or send me your suggestions by email. This department is great because of its talented faculty members and skilled staff. Please let me hear from you.

Ake Grenvik, MD, PhD
Editor

Dr. Winter Reflects on His Chairmanship

Dr. Peter Winter will retire as chairman of the Department of Anesthesiology and Critical Care Medicine (CCM) in July. During his 17-year chairmanship, the department has gained a national reputation for excellence in patient care, research, and education.



In 1979, Dr. Winter came to the University of Pittsburgh School of Medicine from the University of Washington School of Medicine in Seattle

where he was a Professor of Anesthesia and Assistant Chairman for Academic Affairs. Dr. Peter Safar had chaired the Department of Anesthesiology/CCM

since its founding in 1961. When Dr. Winter assumed the chairmanship, the growing department was facing many new challenges.

Under Dr. Winter's stewardship, the Department of Anesthesiology/CCM grew from a faculty of 37 to more than 160 members. During his tenure, faculty gained prominence through increased research funding, publications, and participation in national societies. In view of Dr.

Winter's retirement, he was recently asked to reflect upon his successful career, the chairmanship, and the department he has nurtured for the past 17 years.

How would you sum up your experience as chair of the department for the past 17 years in a word or phrase?

I would describe it as a high wire act on a roller coaster.

What do you consider your single most important accomplishment in this position?

The most important development is the outcome: that we have become one of the very best academic anesthesia departments in the country. That was, since the beginning, my ambition for the department, and it has been fulfilled. What is perhaps more interesting is that recent national and economic events may have made this ambition and accomplishment more or less irrelevant. That is a change that would never have occurred to me in the early days of my chairmanship.

Can you describe a pivotal development in your chairmanship?

Perhaps the most significant event was one that I scarcely noticed at the time. Prior to 1984, there was no centralized direction in the medical school and its hospitals. Each of the six hospitals was run by its own CEO and board, and none of them were very interested in what the medical school's or university's priorities were. In 1984, Dr. Thomas Detre became Senior Vice-Chancellor for Health Sciences. This development lent cohesiveness and academic direction to the institution as a whole and eventually transformed our medical school into a first class institution. Within that, we have been privileged to fly and to excel as a department.

What major changes have taken place in this department and academic anesthesiology departments in general since your tenure began?

(continued on page 2)

I still believe that medicine is an inherently moral calling. To make something of that magnitude of human consequence the center of one's professional life is a privilege not to be taken lightly.



It seems to me that academic anesthesiology has gone through three major eras. The first may be called the "any willing hand" era. In the early days of the field, the primary and most important role of an academic anesthesia chairman was to recruit enough faculty to take care of the patients. A paucity of well-trained people made this an overwhelming task that left little time or intellectual energy for anything else. That was the case when I began my residency training at Massachusetts General Hospital (MGH).

The second era was that of the National Institutes of Health (NIH). My colleagues and mentors at MGH, people like Henry Beecher, Henrik Bendixen, Myron Laver, Ed Lowenstein, and Henning Pontoppidan, were all clinicians/scientists who found themselves caught up in the first quantifiable understanding of pulmonary pathophysiology. It led us directly to the realization that it was

not necessary to conduct research with "liberated" hospital supplies and equipment, that there actually were government agencies interested in research questions. This led to a long period of great intellectual development in our field funded by the NIH and a few other agencies. I was privileged to live most of that portion of my career at the University of Washington under the leadership of one of the great men of our field, Dr. John Bonica.

The third era has been that of "practice plans," and it is primarily in this time that I have been

privileged to be a department chair. The complex of events and history that led

to significant incomes for physicians also led to the grouping of individual physicians into specialty groups. The not-for-profit incorporation of such groups gave them strength and fiscal independence in medical centers. It also allowed for development of both clinical and research excellence. I don't think that academic faculty members have been given enough credit for that. What we succeeded in doing locally was to build a group of academicians who voluntarily gave up a good deal of money for the sake of building an academic environment in which they could live and thrive. It is not commonly realized that our outstanding department at the University of Pittsburgh costs the university and medical school nothing. Aside from the research funds mentioned above, most of our funding is provided by caring for patients.

In this era, our department has been particularly successful, in part because we are good at this, but also in part because we have a great many patients to care for. It was not an easy role to play, because I had no business or financial background. Nevertheless it was on that basis that we escaped the tyranny of dependence on hospitals and their administrators. Left to our own devices we succeeded, if not beyond our dreams, then certainly

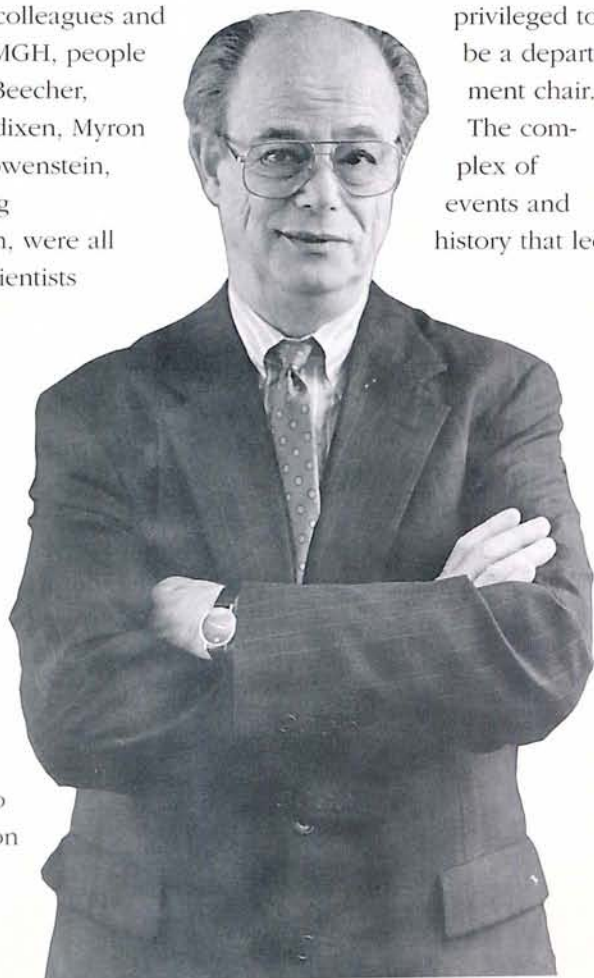
beyond any legitimate expectations. We have become one of the top research departments, and have a series of training programs that are probably as good as any in the country. Our patient care activities are our crown jewels.

Would you go into the same specialty today if you were just entering the medical profession?

I don't know, but rather doubt it. What I would do is to go into academic medicine again. It still seems to me that an academic existence carries rewards and a diversity of activity simply not found in conventional private practice. Further, I still believe that medicine is an inherently moral calling. To make something of that magnitude of human consequence the center of one's professional life is a privilege not to be taken lightly.

Has your experience as chair differed from what you expected coming into the position?

Yes, of course it has. Being a department chairman consists of (at least) two parts. The first is having a vision of where you and the department are headed - what the aspirations are. The other part consists of dealing with the real world, of contending with the endless and usually unexpected challenges thrown





at the chair and at the department. These challenges vary from the integration of idiosyncratic personalities into the system, to dealing with legal problems, to protecting and expanding our "turf," to acquiring research funding - in other words change.

The aspects of my job over the past 17 years that I have enjoyed the most have been the recruitment of first rate academic talent and the nurture of resident and faculty careers. They require a combination of perception and gentleness for which I would like to be remembered.

The aspect of my job that I like least is that it is all consuming. It never ends and indeed scarcely pauses. It has required that I give up research, except in so far as I can be an intellectual participant from afar. There is little time for other matters including patient care and indeed even contemplative self evaluation. I entered academics, in part, because I get bored if I have to do anything full time. The diversity of an academic existence is very appealing. That diversity is somewhat incompatible with directing a major department.

What challenges are ahead for your successor and the field in general? What advice would you offer your successor?

What qualities do you consider important in such a position?

The overwhelming and obvious challenge for all of medicine is economic survival. This is not more specific to anesthesiology than to other specialties. It is important to think about our specialty's challenges though, for if we don't no one else will. The pressures that exist in academic medicine can easily lead to cannibalism, in which fields and people destroy one another in a frenzied attempt to corner a rapidly depreciating asset. Thus, we need to define what we do best and to persuade others that it is in the general interest that we do it as opposed to someone else. Thus, it is very important that a new chairperson not only have a vision and direction, but also that (s)he be persuasive and articulate with peers and superiors. We'll need it.

I don't know what will come of the commercialization of the medical profession. So far the sharks are winning. It is, however, very important to remember that our first and last responsibility is to keep faith with our patients. It seems to me that the most dangerous part of the managed care conundrum is not the withdrawal of funds and other resources, but rather the seduction of the medical profession into false ambiguity about our responsibilities. In

the end, I hope the public will regard that as an unpardonable sin. To the extent that we comply with that seduction, they will blame us, and justifiably so.

I believe that my successor will need talents and qualities different from mine. I was permitted, by fate or by accident, to chair our department at the best of times and between the two great problems of our profession, after the "no people" problem and before the "no money" problem. Thus, I was permitted to build, and by building to grow a great department. My successor will be moving into a different world. Growth may not be an option. Maximizing quality and productivity in the face of a decreasing resource pool will require a managerial style and substance as new as the problems and opportunities.

What will you miss most about being chair of the department?

That's an easy question to answer. What I will miss most is what I enjoy most, the constructive professional interaction with my faculty, the career building, and even the problem solving.

What are your future plans?

People are usually startled to hear that I don't have fixed plans. It seems to upset them. Thus, to engender comfort, I

Chairperson Search Update

by Dr. Peter Winter

Dr. Grenvik has asked me to comment on the progress of the search committee (although I am not a member).

Five candidates have been interviewed in Pittsburgh. They include a Professor and Chief of Anesthesiology in a university-affiliated health system; a Professor of Anesthesia who is a Senior Investigator at the National Institutes of Health; a Professor of Anesthesiology, Pharmacology, and Medicine who is Vice Chairman for Research of his department; a Professor of Anesthesiology/CCM and Pediatrics; and an internal candidate from our own faculty. All the candidates interviewed represent prominent institutions and have had distinguished careers as scientists and clinicians.

Thus, the final phase of the process is nearing completion, and I look forward to whatever comes next.

will tell you that my plans are to take a sabbatical to learn more about contemporary science, specifically the use of high technology imaging in anesthesia and pain research. After that, I'll see what fate brings. Most of my professional career has been engaged in "planning" for something. For my personal future, I choose not to plan too specifically.

Over the years, Dr. Peter Winter has gained the respect of his colleagues in the specialty both within and outside the University of Pittsburgh. Dr. Mark C. Rogers, former Chair of Anesthesiology at Johns Hopkins University, recently provided the following tribute to Dr. Winter's career. Dr. Rogers is currently R.J. Reynolds Professor and Vice Chancellor for Health Affairs at Duke University Medical Center, and Executive Director and Chief Executive Officer of Duke University Hospital and Health Network.

"At each stage of his career, Peter Winter has excelled. If you start way at the beginning, when he was the Salutatorian at Cascadilla School or a graduate of Cornell University,

it was clear that he would have an outstanding career. Fortunately for the specialty of anesthesiology, he chose our field after graduating from the University of Rochester in 1962 where he received his M.D. degree. He did an internship in Utah prior to joining the program at Massachusetts General Hospital. Rising rapidly as an Assistant Research Professor at SUNY Buffalo to Professor at the University of Washington, he became Professor and Chairman of the Department of Anesthesiology and Critical Care Medicine at the University of Pittsburgh in 1979. Since 1980 he has been the Peter and Eva Safar Professor of Anesthesiology and Critical Care Medicine and has led the department into

national and international prominence.

Dr. Winter's own work involves the publication of over 50 individual papers, with major contributions in areas such as oxygen toxicity and the cerebral effects of hypoxia. Despite these accomplishments as a scientist, Dr. Winter's major claim to fame is the outstanding organization he has built at the University of Pittsburgh.

Inheriting a very strong department built by his predecessor Dr. Peter Safar, Dr. Winter continued this outstanding tradition and has collected a department of individuals of outstanding stature, and continued the role of the University of Pittsburgh

in its historic place as one of the great departments in the specialty. Given the many changes going on in medicine throughout the United States and in academic medicine in particular, this has not been an easy task, although Peter has made it seem so. He leads a department in an outstanding position to allow his successor to have the opportunity to replicate for the next generation the outstanding job that Peter has done for the last generation. In this, not only are members of the department at the University of Pittsburgh in Peter's debt, anesthesiologists throughout the country share in that debt as well. I congratulate Peter on an outstanding job done with panache and class."

Critical Care Reunion

A successful reunion of adult and pediatric critical care fellow alumni and past faculty of the University of Pittsburgh was held February 7, 1996 at the 25th Society of Critical Care

Medicine (SCCM) Educational & Scientific Meeting in New Orleans. Of the 130 reunion attendees, over 80 were alumni. Information on recent honors, awards, and publications was displayed, along

with updates on research efforts in the adult and pediatric critical care programs and an alumni "honor roll." Many alumni expressed an interest in having such a reunion become a regular part of the annual SCCM meetings.

Three former pediatric critical care fellows reunite: (left to right) Doctors Robert Clark, Nadeem Khan, and Diane Begany. Dr. Clark is currently a department faculty member. **Also pictured:** Dr. Keith Stein, former faculty member; Dr. Larry Kaufman, former critical care fellow and former faculty member; and Dr. Ignazio Ripoll, former critical care fellow.





Schertz Fellowship Awarded

Dr. Elizabeth Sinz has been named the 1996-1997 recipient of the Charles W. Schertz Research Fellowship award. Dr. Sinz will study nitric oxide-mediated cerebrovascular failure after brain injury under the mentorship of Dr. Patrick Lochanek, using controlled orbital impact in rats to establish a temporal association between iNOS and histopathologic injury in the brain.

The fellowship award was established in 1990 by the Department of Anesthesiology and Critical Care Medicine to honor the memory of Dr. Charles W. Schertz who was a resident and faculty member in the department from 1980 until his death in 1990. Dr. Schertz is remembered as an outstanding clinician, teacher, and investigator. The fellowship award in his name provides research training for graduates of an anesthesia residency who intend to pursue an academic career.

Best Pediatric Submission

Dr. Lesley Doughty's manuscript, "The IL-10 Response in Pediatric Sepsis and Organ Failure," was selected by the Pediatric Section of the Society of Critical Care Medicine (SCCM) as the best paper submitted in pediatrics at the

annual SCCM meeting in February. Dr. Doughty is a third-year pediatric critical care medicine fellow who works with Dr. Joseph Carcillo. She presented four abstracts at the SCCM meeting, giving three of only six oral presentations on pediatric sepsis.

Cost-Effectiveness Award

Dr. Brian Williams was selected as a secondary prize winner of the 1995 Zeneca Cost-Effectiveness Awards for his paper, "Ambulatory Surgery Process Management Using Activity-Based Costing: A Prospective Analysis of Anesthetic Techniques for Knee Arthroscopy Patients from Admission to Discharge." John E. Evans, PhD, and Nandu Nagarajan, PhD, from the Katz Graduate School of Business at the University of Pittsburgh, and W. David Watkins, MD, PhD, from the Department of Anesthesiology/CCM were co-authors of the paper.

Simon Rodbard Honor Award

Dr. Ake Grenvik received the Simon Rodbard Honor Award at the annual meeting of the American College of Chest Physicians on October 30, 1995.

United Nations Epidemiological Database

Dr. Ernesto Pretto has been invited by the United Nations to be the principal advisor on a project to develop an epidemiological surveillance system for United Nations troops deployed all over the world.

Dr. Safar Honored

Dr. Peter Safar received a honoris causa doctorate degree from the University of Campinas in Brazil on February 26, 1996.

Faculty Announcements

Dr. René Gonzalez, Chief Anesthesiologist at the Eye & Ear Institute Pavilion, is leaving the position to go into private practice. Dr. Andrew Herlich, Associate Chief, will be the interim chief.

Dr. Jan Smith resigned effective January 1996 as Chief Anesthesiologist at Presbyterian University Hospital (PUH), a position he held since 1989. Dr. Barbara DeRiso, Associate Chief of Anesthesia at PUH, is serving as the interim chief.

Dr. Brett Stacey, Medical Director of the Pain Evaluation and Treatment Institute, has accepted a position at the University of Oregon Health Sciences Center in Portland. Dr. David Sinclair will be interim medical director of the center.

Department Bids Farewell to Tkach and Welcomes New Administrator

David Tkach, Administrator of the Department of Anesthesiology and Critical Care Medicine since 1989, recently accepted a new position as Executive Director of Children's Hospital Community Care. Dr. Peter Winter acknowledged Mr. Tkach's over six years of service to the department, "In administrative and fiscal matters, I usually knew where I wanted to go, but it was David who knew how to get there... He always looked for and planned for the good of the department and its members." "David has been one of the department's strongest assets and will be remembered for it," added Dr. Winter. While the department will miss him as a particularly skilled administrator, Mr. Tkach is congratulated on his new position.

Carol Montagnese has been selected as the new department Administrator. Most recently, Ms. Montagnese was Assistant Administrator/Controller of the Department of Obstetrics, Gynecology and Research Services, University of Pittsburgh Medical Center at Magee Hospital, University Womens Healthcare Associates, Inc.

Dr. Robert L. Willenkin is retiring at the end of the academic year. Friend and colleague Dr. Etsuro Motoyama pays tribute.

Dr. Robert L. Willenkin, Vice Chairman for Education since 1983, is retiring at the end of the current academic year. Dr. Etsuro Motoyama, a long-time friend and colleague in the Department of Anesthesiology and Critical Care Medicine (CCM), prepared the following tribute.

Originally from Oceanside, New York, Dr. Willenkin graduated from Hofstra University in 1951 and received his M.D. from the State University of New York at the New York City College of Medicine in 1955. After an internship at University Hospital in Baltimore, he served as a resident and clinical fellow in anesthesiology at Yale under Dr. Nicholas Greene. Bob stayed on at Yale as an Assistant Professor. He had just returned from the University of Washington in Seattle after a year as a research fellow in physiology and biophysics under Dr. Robert Rushmer, a world renowned cardiovascular physiologist, when our long friendship began.

In 1968, Bob moved westward to Albany, New York to fill the position of Associate Director for the Department of Anesthesiology. In 1973, he moved west again, this time to the

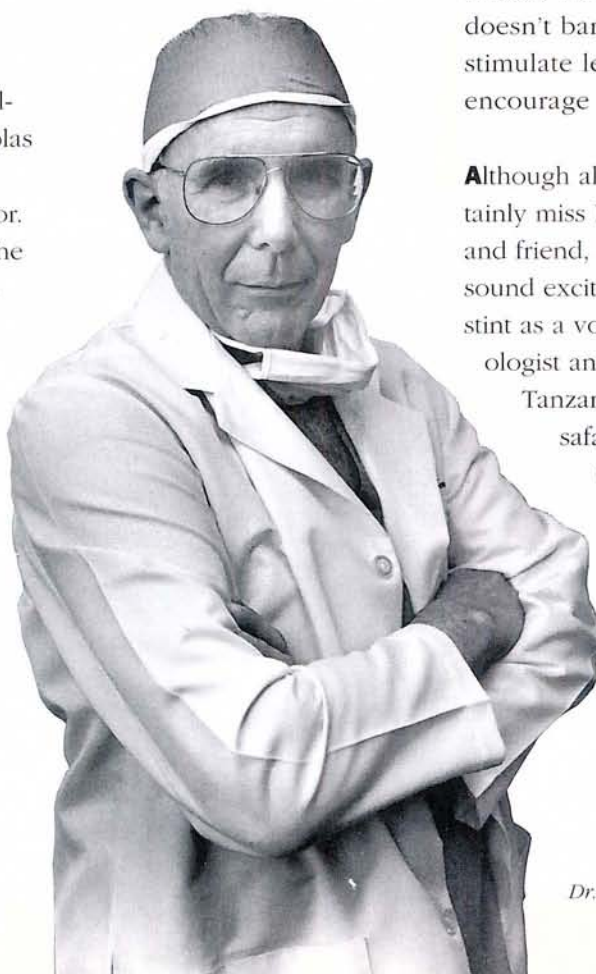
University of California at San Francisco where, as the director of operating rooms, he soon developed a national reputation as a teacher and mentor in clinical anesthesia. Dr. Peter Winter was fortunate to recruit Bob to Pittsburgh in 1982.

Once in Pittsburgh, Bob quickly established himself as a highly regarded educator with a vision, not only for programs within the Department of Anesthesiology/CCM, but for those in the rest of the medical school as well. He has served on many department and university commit-

tees; has been a frequent speaker, panelist, and moderator for the American Society of Anesthesiologists, Society for Education in Anesthesia, and other major national societies; and has been a visiting professor to leading teaching hospitals around the country.

Over the last decade, most anesthesiology residents have had the privilege of learning from Bob. In the words of some of them: "Dr. Willenkin demands insight and forethought"; "An incredible amount can be learned from this man both about anesthesia and teaching"; "The rumors are all a lie. He doesn't bark or bite, he does stimulate learning and encourage improvement."

Although all of us will certainly miss Bob as a colleague and friend, his future plans sound exciting: a two-month stint as a volunteer anesthesiologist and teacher in Tanzania, an African safari, and back home to study physics (his original love), which, for some time, has been interrupted by medicine.



Dr. Robert L. Willenkin

Anesthesia Training Program Graduate Placements CA-3 Residents and Fellows

Robert Arno, MD
Community Hospital
Cambridge, Ohio

Kenneth Chiou, MD
Pain Fellowship in Wisconsin

Suzanne Dellaria, MD
Cardiac Fellowship
University of Pittsburgh
Affiliated Hospitals

Jeffrey Ender, DO
Bronx Jewish Community
Hospital
New York, New York

Helene Finegold, MD
Pediatric Anesthesiology
Fellowship, Children's
Hospital, University of
Pittsburgh Affiliated Hospitals

Bhargavi Gali, MD
Critical Care Medicine
Fellowship
University of Pittsburgh
Affiliated Hospitals

Magda Girgis, MD
One of the Dallas Children's
Hospitals

Vitaly Gordin, MD
Pain Group
Oklahoma City, Oklahoma

Jan Hendrickx, MD
Returning to Belgium



Joe Jaidev, MD

Three-month Extension of
Liver Fellowship
University of Pittsburgh
Affiliated Hospitals

Cindy Jenson, MD

Finalizing plans

Joseph Lupo, MD

Cardiac Fellowship in
Vermont

Michael Mangione, MD

Faculty Position
Veterans Affairs Medical
Center

Joseph Martinelli, MD

Uniontown Hospital

Thomas McNiff, MD

Critical Care Medicine
Fellowship
University of Pittsburgh
Affiliated Hospitals

Steven Orebaugh, MD

Information unavailable

Brian Parker, MD

Hepatic Transplantation
Fellowship, University of
Pittsburgh Affiliated Hospitals

Walter Ratschan, MD

Finalizing plans

Eliabu Simbi, MD

Returning to Israel

Neth Song, MD

Faculty Position
University of Pittsburgh
Affiliated Hospitals

Clay Stanley, MD

North East Medical Center
Humble, Texas

Ethan Stein, MD

Pain Fellowship
Thomas Jefferson

Louis Turano, MD

Information unavailable

Kalpana Tyagaraj, MD

Information unavailable

Obi Udekwa, MD

Liver Transplant Anesthesia
Fellowship
University of Pittsburgh
Medical Center

Michael Weaver, MBBS

Returning to England

Marc Yland, MD

Information unavailable

Brian Williams, MD

Faculty Position
University of Pittsburgh
Affiliated Hospitals

Graduating Critical Care Fellow Placements

Anesthesiology Critical Care Fellows

David Hertzog, MD

Finalizing plans

Sten Rubertson, MD, PhD

Returning to Sweden

Elizabeth Sinz, MD

Schertz Memorial Research
Fellowship
University of Pittsburgh

Patrick Tan, MD

Associate Professor
University of Malaya
Kuala Lumpur

Francis Whalen Jr., MD

Cardiac ICU
Buffalo General Hospital

Internal Medicine Critical Care Fellows

John Brady, MD

Intensivist
Kent County Hospital
Providence, Rhode Island

Wissam Chatila, MD

Sleep Disorder Fellowship
Medical College of
Pennsylvania, Philadelphia

James Dy, MD

Finalizing plans

Uche Iloeje, MD

Pulmonary Medicine
Fellowship, Baylor College
of Medicine, Houston

Martine LeBlanc, MD

Research Fellowship in
France

Edwin Lee, MD

Endocrine Fellowship
University of Pittsburgh
Medical Center

Navdeep Mehta, MD

Intensivist, Dr. Everett C.
Chalmers Hospital
Fredericton, New Brunswick

Raul Santos, MD

Nephrology Consultants Inc.
John D. Archbold Memorial
Hospital, Thomasville,
Georgia

William Swoger, DO

locum tenens, Akron, Ohio

David Szilagyi, MD

Finalizing plans

Jimmy Uy, MD

Finalizing plans

Pediatric Critical Care Fellows

Gary Ceneviva, MD

Staff Intensivist, Penn State
University Children's Hospital
Hershey, Pennsylvania

Lesley Doughty, MD

Staff Intensivist
Brooke Army Medical Center
San Antonio, Texas

Surgical Critical Care Fellows

Peter Carrillo, MD

Finalizing plans

Stephen DiRusso, MD

General Surgery/Critical Care
New York Medical College

Irene Medary, MD

Finalizing plans

Dr. Rogers Honored by Chancellor

by Dr. David Powner

Dr. Paul Rogers, Associate Professor, Department of Anesthesiology and Critical Care Medicine (CCM), was a 1996 recipient of the Chancellor's Distinguished Teaching Award, the highest honor the University of Pittsburgh bestows upon faculty members. Dr. Rogers was recognized for his development of an "innovative

A commitment to education is evidenced by the many awards Dr. Rogers has received. He has been named Faculty of the Year by critical care fellows five times and received the Golden Apple award last year from the graduating medical student class as the best teacher in the medical school.

As Associate Director of Education for Medical Student Programs in CCM, Dr. Rogers' fourth-year medical student elective continues to be

publication in the journal *Critical Care Medicine*. Dr. Rogers has also worked with Dr. Herbert Jacob to expand the CCM division's participation in the acute clinical skills course for second-year medical students.

Dr. Rogers is responsible for administering the CCM curriculum to all senior fellows as Associate Director of the CCM fellowship. Along with Dr. Marie Baldisseri, he developed and implemented crisis

management scenarios for critical care fellows using the department's new full-scale human simulator. Dr. Rogers is also a co-author of the Multidisciplinary Critical Care Training Program Reference Manual.

Dr. Rogers' passion to prepare all trainees in the highest standards

of critical care is reflected in this most recent honor. Through his personal patient care practices and teaching methods, Dr. Rogers not only accomplishes his goals but passes his intensity onto his students, the real measure of an excellent educator.

among the most highly rated elective courses. External funding from the Society for Education in Anesthesiology supported a further extension of his CCM elective to include structured clinical examinations using professional actors as patients. His use of pre- and post-testing led to a recent



course in the care of critically ill patients," his published research on teaching, and his outstanding leadership in educational programs in the Division of CCM. The teaching award was presented by Interim Chancellor Mark Nordenberg at a reception on April 9th.



Dr. Richard Stiller and his long-time laboratory assistant Annette Wilson

Richard Stiller, PhD, died on February 12, 1996. Dr. Stiller had a joint appointment as Research Associate Professor in the Department of Anesthesiology and Critical Care Medicine (CCM) and the Department of Pharmacology. He joined the Department of Anesthesiology/CCM in 1983 and was director of the department's core laboratory facilities. Dr. Stiller received his PhD in biological chemistry from St. John's University in New York. His recent research included studies on the behavioral pharmacology of nicotine and the pharmacokinetics of remifentanyl.

Dr. Stiller was remembered at a memorial service held in February.

Anesthesiology/CCM Develops Medical School's NMR Facility

Yan Xu, PhD, a nationally known authority on magnetic resonance spectroscopy and magnetic resonance imaging (MRI), has been appointed Assistant Professor of Anesthesiology and Critical Care Medicine (CCM) and of Pharmacology, in the tenure track. Dr. Xu's groundbreaking work, imaging for the first time a volatile anesthetic in the

paper "demonstrates an impressive advance." Dr. Xu and his close collaborator and wife Pei Tang, PhD, recently received a \$510,000 grant from the National Institute of General Medical Sciences (GM49202) to support their nuclear magnetic resonance (NMR) studies of mechanisms of general anesthesia. The Department of Anesthesiology/CCM's NMR facility, which also serves the medical school and the University of Pittsburgh Medical Center, is located on

the 13th floor of the Bio-medical Science Tower. The facility contains a 9.4 Tesla spectrometer that was custom-built and commissioned by Doctors Xu and Tang shortly after their arrival in Pittsburgh. Although the National Magnet Center at Carnegie Mellon University is world renowned, Dr.

Xu's multinuclear spectrometer is now the most advanced in Pittsburgh.



Anesthesiology/CCM Launches Medical Center's Mouse Model Facility

Gregg Homanics, PhD, was recruited by the Department of Anesthesiology and Critical Care Medicine (CCM) to share his expertise in developing mouse lines with single specific preplanned mutations. This technique depends on a method known as gene targeting by homologous recombination, and is useful in any line of research, including human gene therapy, where the physiologic role of a specific gene product is under investigation. Dr. Homanics recently received a \$625,000 grant from the National Institute of Alcohol Abuse and Alcoholism (AA10422) to test the role of specific brain GABA_A receptor subtypes in

the intoxicating actions of alcohol. Similarly, Leonard Firestone, MD, has received a grant for over \$800,000 from the National Institute of General Medical Sciences (GM52035) to develop mice lacking specific brain GABA_A receptor subtypes thought to be crucial for the obtunding effects of volatile general anesthetics. Dr. Homanics' laboratory, located on the 13th floor of the Biomedical Science Tower, also serves as the mouse model facility for the medical school and the University of Pittsburgh Medical Center. Dr. Homanics is currently Assistant Professor in the tenure stream of the Department of Anesthesiology/CCM, as well as in the Department of Molecular Genetics and Biochemistry, and the Department of Pharmacology.



brain, was featured in the October 1995 issue of *Anesthesiology*. An accompanying editorial exclaimed that the

Department Visible at National Meetings

Department of Anesthesiology and Critical Care Medicine faculty members and trainees continue to have a large number of abstracts accepted for oral and poster presentation at national meetings. The following is a partial breakdown of the number of abstracts recently presented at annual society meetings by department area.

Anesthesiology

Nineteen abstracts were presented at the International Anesthesia Research Society meeting in Washington, D.C., held March 8-12, 1996. Five abstracts were presented at the Association of University Anesthesiologists meeting May 17-19, 1996 in Boston.

Adult CCM

Nine abstracts were presented at the annual scientific meeting of the Society for Critical Care Medicine (SCCM) in New Orleans from February 5-9, 1996. Sixteen abstracts were presented at the annual scientific meeting of the American Thoracic Society (ATS) in New Orleans from May 11-15, 1996. There has been a shift in the interest of the Division of Critical Care

(continued on next page)

This list includes awards for which funding was initiated during the first three quarters of the 1995-96 academic year (July 1, 1995 – present) and renewal awards.

Principal Investigator Topic of Study Sponsor

FEDERAL GRANTS		
L. Firestone	Anesthetic Mechanisms in GABA _A -R Gene Targeted Mice	NIH
G. Homanics	Ethanol Mechanisms in GABA _A -R Gene Targeted Mice	NIH
A. Miro (co-PI)	Tracheal Assist: Effect on Ventilatory Efficiency	NIH
T. Rudy	Classification of TMDS: Validity and Utility of RDC Axis I	NIH
C. Sirio/M. Bloom/A. Kofke	Biomedical Applications of High Performance Computing and Communications	NIH
FOUNDATION GRANTS		
R. Gonzalez	Video Monitoring & Recording System for Debriefing and Performance Appraisal: Human Simulation Center	Executive Committee on Academic Computing
F. Gyulai	In Vivo Imaging of Volatile Anesthetic Actions at Cerebral GABA _A Receptors	Foundation for Anesthesia Education and Research
J. Kellum	An Evaluation of Continuous Veno-Venous Hemofiltration in the Treatment of Systemic Inflammatory Response Syndrome	Laerdal Foundation
P. Kochanek	Role of Inflammation in Cerebrovascular Failure after Head Injury	Society of Critical Care Medicine
R. Orr	Multicenter Validation of a Pediatric Transport Scoring Index	Laerdal Foundation
M. Pinsky	The Effects of OPC-18790 on Myocardial Performance & Cytokine Production in Sepsis	Otsuka America Pharmaceuticals Inc.
M. Rosenbloom	Regulation of the Effects of TNF on Circulating Leukocytes in Human Sepsis	Laerdal Foundation
P. Safar	Oxygen and Hypothermia for Uncontrolled Hemorrhagic Shock in Rats	Laerdal Foundation
W. Stapelfeldt	Sensitivity of Substance P-Mediated Synaptic Transmission to the Action in General Anesthetics	Foundation for Anesthesia Education and Research
R. Vukmir	The Empiric Use of Sodium Bicarbonate in Prehospital Cardiac Arrest	Competitive Medical Research Fund
R. Vukmir	Sodium Bicarbonate in Prehospital Cardiac Arrest	Laerdal Foundation
Y. Xu	Overexcitability and Neuronal Degeneration Assessed by Ex Vivo NMR Spectroscopy	Epilepsy Foundation of America
H. Zar	Optimal Method of Rewarming from Mild Hypothermia	Laerdal Foundation

(Recent Grants continued)

Principal Investigator	Topic of Study	Sponsor
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SEED GRANTS

S. Gandhi	Endothelin Receptor Antagonists in the Treatment of Portal Hypertension	UACCMF
F. Gyulai	In Vivo Imaging of Volatile Anesthetic Action at Cerebral GABA _A Receptors	UACCMF
J. Kellum	Evaluation of Continuous Veno-Venous Hemofiltration in the Treatment of Systemic Inflammatory Response Syndrome	UACCMF
A. Kofke	Development of a Rat Subarachnoid Hemorrhage Model	UACCMF
R. Schlichtig	Validity of (Base Excess) and Determination of Critical Tissue PCO ₂ in Humans In Vivo	UACCMF

RESEARCH ADVISORY COMMITTEE START-UP GRANTS

Clark	Role of Inducible Nitric Oxide Synthase in Delayed Neuronal Death After TBI in the Immature Rat	RAC Start-Up (CHP)
M. Forbes/ P. Kochanek	Magnetic Resonance Imaging to Measure CBF, CO ₂ Responsivity & Blood Brain Barrier Integrity After Traumatic Brain Injury in Immature Rats	RAC Start-Up (CHP)
E. Michael	Varicella Zoster Virus Transcription and its Control	RAC Start-Up (CHP)

CLINICAL TRIALS

D. Angus	Recombinant Activated Protein C	Lilly
D. Angus	Taurolidine	Wallace
S. Bowles	TLC C-53	Liposome
B. Brandom	Cisatracurium	Glaxo Wellcome
B. Brandom	Org 9487	Organon
P. Dalby	CP-122,721	Pfizer
P. Davis	Sevoflurane	Abbott
P. Davis	Remifentanyl	Glaxo Wellcome
P. Linden	Synercid	Rhône-Poulenc Rorer
A. Miro	Inhaled Nitric Oxide	Ohmeda
A. Rotondi	Pulse Oximetry	Nellcor
M. Pinsky	Computerized ICU Protocols	AHCPR
Stacey	Gabapentin	Parke-Davis
A. Thompson	AF0141	Alliance
W. Tullock	Rocuronium Bromide	Organon

Medicine to address currently relevant issues, such that four of the abstracts presented at the SCCM meeting and five of those presented at the ATS meeting addressed issues related to resource utilization and predicting outcome and cost of ICU care.

Pediatric CCM

Eight abstracts were presented at the annual SCCM meeting. Four abstracts were presented at the 1996 Society for Pediatric Research meeting in May.

Safar Center

Three abstracts were presented at the annual SCCM meeting. Doctors Ernesto Pretto and Peter Safar presented two papers at the First Congress of Surgery of Bosnia-Herzegovina, held from May 11-16, 1996.

The following department and affiliated faculty currently hold offices in national and international societies:

Barbara DeRiso, MD	President, American Association of Clinical Directors
Leonard Firestone, MD	Chairman, Scientific Advisory Board, Association of University Anesthesiologists
John Hoyt, MD*	President, Society of Critical Care Medicine
Richard Orr, MD	Board of Directors, Air Medical Physicians Association
Ernesto Pretto, MD	Treasurer and Board of Directors, World Association for Disaster and Emergency Medicine
Carol Rose, MD	President, Pennsylvania Society of Anesthesiologists
Dan Thompson, MD*	Vice Chairman, American College of Critical Care Medicine
William Tullock, MD	Board of Directors, Society for Education in Anesthesia

*Affiliated faculty

Grenvik A, Ayres SM, Holbrook PR, Shoemaker WC, eds. *Pocket Companion to Textbook on Critical Care*. Philadelphia: W.B. Saunders Co.; 1996.

Motoyama EK, Davis PJ, eds. *Smith's Anesthesia for Infants and Children*, 6th Ed. St. Louis: Mosby; 1996.

Waller A, **Caroline NL**, eds. *Handbook of Palliative Care in Cancer*. Boston: Butterworth-Heinemann; 1996.

Nancy L. Caroline, MD, is an Adjunct Professor of Critical Care Medicine, University of Pittsburgh School of Medicine; and Medical Director, Hospice of the Upper Galilee Metulla, Israel.

Safar P (guest editor), **Ebmeyer U, Katz L, Tisherman S** (co-editors). International Resuscitation Research Conference 1994. *Crit Care Med*. 1996;24 (supplement).

Faculty who recently published books were honored at a University of Pittsburgh reception on April 17th.

Lectures

Dr. Michael Pinsky gave the Gregory Mark Taubin Memorial Lecture in Pediatric Critical Care at Children's National Medical Center in Washington, D.C. in December 1995 and will give the Fritz Holmstrom Memorial Lecture in Anesthesiology at the University of Texas, San Antonio in May 1996.

Dr. Patrick Tan, an Anesthesiology Critical Care Fellow, was an invited lecturer at April 1996 meeting in Sydney, Australia of the World Federation of Societies of Anesthesiologists.

Department of Anesthesiology and Critical Care Medicine University of Pittsburgh

A1305 Scaife Hall
Pittsburgh, PA 15261
412-648-9623

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