Welcome to the inaugural issue of Loud & Clear! On behalf of the faculty and staff of the University of Iowa Department of Otolaryngology—Head and Neck Surgery, I am pleased to introduce you to this new publication highlighting the stories, news and discoveries of our department.

Loud & Clear shares our mission of delivering excellent patient care, quality teaching for the next generations and innovative medical research. While this mission involves the people in the department, it also affects the alumni, patients and friends.

"Welcome" continues on page 2

Sounds like good news

NIH grant renewal benefits Iowa Cochlear Implant Clinical Research Center

The Iowa Cochlear Implant Clinical Research Center (ICICRC) at the University of Iowa Roy J. and Lucille A. Carver College of Medicine has received its fifth consecutive grant renewal from the National Institute on Deafness and Other Communication Disorders, part of the National Institutes of Health (NIH). The innovative and interdisciplinary research supported by this long-running grant has made the ICICRC one of the world’s premier centers for cochlear implant clinical research.

The five-year, $11 million grant renewal will fund ongoing basic research, clinical trials, and clinical outcomes research on cochlear implants in children and adults by UI researchers in the Carver College of Medicine, the College of Liberal Arts and Sciences, and the College of Public Health.

The center was established in 1985 when cochlear implants first became available and is directed by Bruce Gantz, MD, the Brian F. McCabe Distinguished Chair and UI professor and head of otolaryngology—head and neck surgery. Richard Tyler, PhD, UI professor of otolaryngology—head and neck surgery and communication sciences and disorders, and Marlan Hansen, MD, associate professor of otolaryngology—head and neck surgery, are the center’s co-directors.

"The long-term NIH funding, now totaling $49 million over 30 years, has allowed ICICRC researchers to translate basic research on the auditory system into new cochlear implant...

"Good News" continues on page 2

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Events & Activities  Back cover
The University of Iowa Roy J. and Lucille A. Carver College of Medicine has new leadership. Debra A. Schwinn, MD, will be the next dean of the College of Medicine. Dr. Schwinn is professor and chair of the Department of Anesthesiology and Pain Medicine, the Allan J. Treuer Endowed Professor of Anesthesiology, and adjunct professor of Pharmacology and Genome Sciences at the University of Washington in Seattle. Her appointment will be effective November 1, 2012, pending approval by the Board of Regents, State of Iowa.

Dr. Schwinn succeeds Paul B. Rothman, MD, who was recently appointed dean of the Johns Hopkins University School of Medicine and CEO of Johns Hopkins Medicine.

The new funding will support four main projects:

- Acoustic plus Electric Hearing, led by Christopher Turner, PhD, professor of communication sciences and disorders
- Speech and Language Outcomes in Children, led by Bruce Tomblin, PhD, professor of communication sciences and disorders, Camille Dunn, PhD, UI research scientist, and Beth Walker, UI research assistant
- Speech and Language Processing, led by Karen Iler Kirk, PhD, professor of communication sciences and disorders, and Bob McMurray, PhD, associate professor of psychology
- Electrophysiology, led by Paul Abbas, PhD, professor of communication sciences and disorders, and Carolyn Brown, PhD, professor of communication sciences and disorders

A major focus of research at the center is to advance the technology previously developed at the UI, which produced the “hybrid” cochlear implant. Compared to the traditional cochlear implant, the hybrid implant has a shorter, hearing-preserving electrode.

“We believe that hearing-preservation electrodes will improve outcomes because they allow users to combine electric auditory stimulation with any residual natural acoustic hearing,” Gantz says. “Our overarching goal is to examine how this hybrid approach to speech processing might benefit new populations of adults and children.”

175 patients have received these new cochlear implants nationwide; 46 have had the operation at UI Hospitals and Clinics. Learn more at www.uihealthcare.org/CochlearImplant/
Clinicians honored

Two of the department’s faculty were honored for their clinical excellence by receiving the first-ever University of Iowa Physicians (UIP) Clinical Awards. UIP is composed of the 700+ staff physicians who provide care at UI Hospitals and Clinics.

Patient Satisfaction and Service Excellence Award

Given to an individual or team in recognition of outstanding patient satisfaction, the 2011 recipient was Marlan Hansen, MD, associate professor of otolaryngology—head and neck surgery.

Dr. Hansen is a highly skilled and hardworking physician and surgeon who is always eager to help others, especially his patients. His patience, teaching, and dedication to his patients make him an excellent model for future academic physicians.

Clinician of the Year Award

Given to a clinician who most embodies those aspects of a truly great patient service provider, including technical skill, humanism to patients and families, collaboration with colleagues, and advocacy, the 2011 recipient was Richard Smith, MD, professor and vice-chair of otolaryngology—head and neck surgery.

Dr. Smith’s busy clinic includes patients with needs ranging from routine to the most complex. His vast experience and knowledge enable him to provide excellent care efficiently, all while tending to the needs of the patient and family.

Meet the awardees and view video at www.uihealthcare.org/2column.aspx?id=227051

Among the best in the nation

The University of Iowa Department of Otolaryngology—Head and Neck Surgery is pleased to be nationally recognized as one of the best in the nation by the U.S.News & World Report. We achieved a top-ten ranking by the publication for the 23rd year in a row!
Researchers from the University of Iowa Molecular Otolaryngology and Renal Research Laboratories have developed a new method that cuts the time and expense required to screen for the cause of inherited deafness.

Previously, identifying the specific cause of a child's hearing impairment meant sequencing one gene at a time. The new test, called OtoSCOPE, can screen for all known deafness-causing genes in a single pass. Knowing the gene responsible for a child's hearing impairment can speed treatment as well as help families anxious to understand a child's prognosis or plan for the likelihood of hearing loss in future children.

To learn more about genetic testing for deafness offered by the UI Molecular Otolaryngology and Renal Research Laboratories (MORL), visit www.healthcare.uiowa.edu/labs/morl/ or contact Richard Smith, MD, director of the MORL, at 319-335-6623.
Treatment for facial paralysis

The department has established a Facial Plastic and Reconstructive Surgery and Facial Nerve Center to treat patients with facial paralysis from any cause. The center is staffed by surgeons; facial neuromuscular retraining therapists; and other medical and media specialists skilled in the evaluation and treatment of facial nerve disorders. This combination of expertise allows us to help patients improve their appearance, facial function, non-verbal communication, and overall well-being through surgical, therapeutic, and medicinal treatments.

The Facial Nerve Center, led by Doug Henstrom, MD, assistant professor of otolaryngology, is one of just a few in the United States offering full-scale facial reanimation services.

For more information, visit www.uihealthcare.org/oto

Best Doctors

UI specialists recognized among best in America

Best Doctors in America™ recognized ten Otolaryngology specialists in their 2011-12 poll, including Kristi Chang, MD, Gerry Funk, MD, Bruce Gantz, MD, Scott Graham, MBBS, Marlan Hansen, MD, Henry Hoffman, MD, Jose Manigold, MD, and Richard Smith, MD
The National Institutes of Health-National Institute on Deafness and Other Communication Disorders (NIDCD) renewed funding for The University of Iowa Research Training Program, now in its 20th year of existence.

NIDCD funding provides two-year basic and clinical research training opportunities for physicians pursuing an academic career in Otolaryngology—Head and Neck Surgery. Trainees devote 100% of their effort to research training for two consecutive years, followed by a four-year clinical residency in Otolaryngology—Head and Neck Surgery. Research training in neurosciences, molecular genetics, molecular biology, and epidemiology promotes the long-term goal of increasing the number and quality of independent clinical investigators studying the underlying mechanisms, diagnostic criteria, and therapeutic approaches of the impaired auditory and other communicative systems.

A multidisciplinary educational environment is created through the interaction of over thirty clinicians and basic scientists from the departments and programs of Otolaryngology—Head and Neck Surgery, Hearing Sciences, Speech Science, Neuroscience, Internal Medicine, Pediatric Genetics, Microbiology, Molecular Biology, and The College of Public Health.

Trainees enroll in didactic courses in their area of interest throughout the training period and a wide assortment of research training opportunities are available. Options range from basic research in electrophysiology and molecular biology of the auditory system, neuroanatomy, neurolaryngology, molecular genetics of deafness, and molecular biology of craniofacial deformities to clinical investigations involving epidemiologic study of hearing loss, craniofacial deformities, head and neck cancer, speech disorders, and clinical trials study of hearing loss, craniofacial deformities, head and neck cancer, speech disorders and clinical trials methodology.

Iowa’s research training program expands opportunities available to future academic otolaryngologists, fosters interaction among clinical and basic scientists, and provides physicians with tools to become comprehensive independent clinical research scientists. By providing basic research opportunities in communicative disorders, physician scientists are able to expand translational research that can impact the delivery of care, as well as advance the treatment of communicative disorders.
Research Day awards

Each year the department hosts our Research Day event which features the innovative research of our residents, fellows and faculty. Included are awards for the best research presentations by our residents. This year’s winners include:

R2 Teaching Award: Gabe de la Garza, MD

R5 Teaching Award: Rick Nelson, MD, PhD

Resident Meaningful Use Award:
Siva Elangovan, MD; Most improved Gabe de la Garza, MD; Best documentation

Temporal Bone Award: Bob Eppsteiner, MD

Alfreda Van Wart — Research Award: Iram Ahmad, MD

Alfreda Van Wart — Clinical Award: Hank Diggelmann, MD

AAO-HNS Foundation funds UI researchers

Did you know?

The American Academy of Otolaryngology—Head and Neck Surgery Foundation awarded research funding for the following:

“Merlin, a Tumor Suppression Protein, Inhibits Neurite Growth”
Principal Investigator: Joshua Tokita, MD
Award Amount: $15,000

“P75NTR Activity in Vestibular Schwannomas”
Principal Investigator: Nathan Schularick, MD
Award Amount: $25,000

Iowa trainee selected for research award

Postdoctoral resident research fellow, Robert Eppsteiner, MD, was awarded the 2012 Alcon Foundation/AAO-HNSF Resident Research Grant for his grant proposal entitled Genetic Contribution to Cochlear Implant Performance. The $10,000 award is designed to stimulate original research with a preference for projects related to pediatric otolaryngology and to promote the discovery and development of innovative treatments.

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Alfreda Van Wart — Research Award: Iram Ahmad, MD

Alfreda Van Wart — Clinical Award: Hank Diggelmann, MD

Did you know?

The University of Iowa Department of Otolaryngology—Head and Neck Surgery is one of the longest-established and most comprehensive Otolaryngology programs in the world.

Formed in 1922, we are committed to providing the highest level of patient care, delivering world-class education and training for future generations of head and neck specialists, and leading innovative clinical and laboratory-based research programs.
Iowa Basic Science Course continues to draw a crowd

The Basic Science Course in Otolaryngology wrapped up another successful event on August 10th. The meeting, which started on July 2nd, featured a breadth and depth of topics over a six-week period that is quite unique. Attendees come from across the Midwest and around the globe.

For more information or to learn about next year’s anatomy and lecture series, visit www.healthcare.uiowa.edu/otolaryngology/basicsciencecourse/index.html

Resource for providers and the public

The Iowa Head and Neck Protocols is an online reference for physicians, other providers, and consumers. Continuously updated with new information, the Protocols include care plans, surgical techniques, a wide range of clinical and surgical protocols, and other resources. Many entries include videos and photo illustrations. Hyperlinks within entries allow users to easily review related materials.

The Protocols receive thousands of visitors each month from around the world. Some entries are available in Chinese, and Spanish translations also are planned.

For more information, visit https://wiki.uiowa.edu/display/protocols/Home

Alumni Weekend


Details at www.healthcare.uiowa.edu/alumni/

If you have questions or would like help contacting a classmate, please contact the Medicine Alumni Society at 877-MED IOWA, 319/335-8886 or medicine-alumni@uiowa.edu

Otolaryngology alumnus honored for his contributions to community

Michael Murphy, MD (’73R), of Yakima, WA was recognized by naming the auditorium at the Yakima Regional Medical and Cardiac Center in his honor. Dr. Murphy served the community for over 40 year as an advocate for improved patient care and enhanced continuing medical education.

If you’ve changed contact information lately, let us know so we can keep in touch. We’d also like to know if you receive a special award or distinction. Send us an email with details at: iowaoto@uiowa.edu
Next Steps for 2012 Graduates

Graduating residents and fellows pursue their next medical career move. Here is where they are headed...

Residents (left to right in above photograph):

Rick Nelson, MD (’07MD/PhD, ’12R): remain at the University of Iowa for Otolaryngology/Neurotology Fellowship
Grace Nimmons, MD (’12R), Chief Resident: remain at the University of Iowa to pursue a Fellowship in Head and Neck Cancer
Andrew Heaford, MD (’08F,’12R): pursue Clinical Fellowship in Pediatric Otolaryngology at the University of Iowa
Andrea Potash, MD (’12R), Chief Resident: join private practice at Kaiser Permanente in Lafayette, CO
Stephen Newton, MD (’08F, ’12R): continue education with Pediatric Otolaryngology Fellowship at Children’s Hospital Boston

Fellows

Nathan Boyd, MD (’12F), Head and Neck Cancer Fellow: take a position with the University of New Mexico Health Sciences Center, Albuquerque, NM
Sarah Mowry, MD (’12F), Neurotology Fellow: pursue academic medicine position at Georgia Health Sciences University in Augusta, GA
Akaber Halawi, MD (’12F), Rhinology Fellow: pursue fellowship at Northwestern University in Chicago

Welcoming our new colleagues

Residents: Clinical Track

Jonathan Fowlikes, MD: Oregon Health and Science University, School of Medicine, Portland, OR

Residents: Clinical & Research Track

Xiaoyang Hua, MD: Tongji Medical University, Wuhan, Hubie, China

Danielle Hoyne, MD: University of South Florida Morsani College of Medicine, Tampa, FL

Abraham Sheffield, MD (’12MD/PhD): University of Iowa Roy J. and Lucille A. Carver College of Medicine, Iowa City, IA

Kristy Truong, MD: Georgetown University School of Medicine, Washington, DC

Save the Date and plan to join us in “The Last Frontier.”

The Department of Otolaryngology—Head and Neck Surgery is planning a continuing education and social event in Alaska! Save August 17-24, 2013 on your calendars for this unique experience in Homer and Seldovia, Alaska.

Details are being worked out and will be shared soon. Interested in learning more now? Contact Dan Jorgensen, MD (’78MD, ’83R) at alaskamedicalconference@gmail.com
Helping the UI serve others

Four of John and Allie Dane’s five children suffer from hearing losses due to genetic auditory nerve problems. Doctors from the UI Department of Otolaryngology in the Roy J. and Lucille A. Carver College of Medicine successfully performed a cochlear implant operation for Donna Dane—who was born profoundly deaf—partially restoring her hearing.

The Danes, who own Iowa City ice cream institution Dane’s Dairy Drive-In, wanted to help the UI serve others in need, so they donated 235 acres of Iowa farmland. Forty acres were gifted outright to the UI Foundation. Proceeds from the sale of the land were used to create the John Dane Family Cochlear Implant Research Fund.

The remaining 195 acres were put into a charitable remainder trust, providing steady income for the family and future support for otolaryngological research.

The Danes’ gift supports the pioneering research of Bruce J. Gantz, MD, head of the Department of Otolaryngology in the UI Carver College of Medicine. Gantz and his team of physicians and scientists have made great strides in stimulating auditory nerve growth and improving hearing through ear implant surgery.

John Dane explained that the work of Gantz and his team had great personal significance to his family and—combined with the potential impact on millions of people with hearing loss who might eventually benefit from the research taking place at the UI—inspired the Danes to help out.

“I vowed that my family would make a significant contribution,” Dane said. “The regeneration of auditory nerves, to me, would be an amazing breakthrough. I get so emotional when I think about it.”

Gantz said, “We are thrilled that the Dane family decided to support this research effort. Their gift enables us to advance our research much more quickly.”

Gantz explained that the gift from the Danes will help UI researchers fund studies to test their new ideas—such as a recently designed ear implant that, unlike the cochlear implant, goes just a short way into the inner ear and can greatly improve hearing in those who are not already entirely deaf.

“Our long-term goal,” said Gantz, “is to create a research fund that we can use for the study of auditory nerve regeneration.”

The UI Foundation works with contributors like the Dane family to turn assets such as real estate into gifts that can support the university. Learn more at www.uifoundation.org

“\textit{I vowed that my family would make a significant contribution. The regeneration of auditory nerves, to me, would be an amazing breakthrough. I get so emotional when I think about it.}”

John Dane
Make an Impact

There are many ways to make a difference through charitable donations. To learn more about how philanthropic support helps advance the important work of the UI Department of Otolaryngology—Head and Neck Surgery, please contact:

Mitch Beckman
The University of Iowa Foundation
Levitt Center for University Advancement
P.O. Box 4550
Iowa City, IA 52244-4550
mitch-beckman@uiowa.edu
319-335-3305 or
800-648-6973

The UI acknowledges the UI Foundation as the preferred channel for private contributions that benefit all areas of the university. For more information or to make a donation in support of the Department of Otolaryngology—Head and Neck Surgery, visit the UI Foundation’s secure website at www.givetoiowa.org/oto

Tell us your story

Sharing your story can make a difference in the work we do. Help inform others about the compassionate patient care we provide. Your story can inspire others to support innovative research and care with a charitable gift.

Contact us at iowaoto@uiowa.edu

LOUD & CLEAR is published periodically for alumni, colleagues, and friends of the Department of Otolaryngology—Head and Neck Surgery at The Roy J. and Lucille A. Carver College of Medicine.

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## LOUD&CLEAR EVENTS

### Mark your calendars

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<td>September 9-12, 2012</td>
<td>AAO-HNS Annual meeting, Washington, D.C.</td>
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<td>September 9</td>
<td>Iowa Alumni Reception at AAO-HNSF Meeting, Zaytinya Restaurant, Washington, D.C.</td>
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<td>September 27-29</td>
<td>UI Homecoming Reunion Weekend (Medicine classes of ’77, ’82, ’87, ’92, and ’02), Iowa City</td>
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<td>October 5-6</td>
<td>20th Annual Management of the Tinnitus Patient Conference, Iowa City</td>
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<tr>
<td>June 3-8, 2013</td>
<td>Iowa Head &amp; Neck Cancer Course, Iowa City</td>
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### Other events to watch for

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<td>May 2013</td>
<td>Endoscopic Sinus Course, Iowa City</td>
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<tr>
<td>June</td>
<td>5th Iowa Flexible Fiberoptic Endoscopy Course, Iowa City</td>
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<td>June</td>
<td>Research Day and Graduation, Iowa City</td>
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<tr>
<td>July-August</td>
<td>Iowa Basic Science Course, Iowa City</td>
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<tr>
<td>August 17-24</td>
<td>Continuing Education Meeting, Homer and Seldovia, Alaska</td>
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