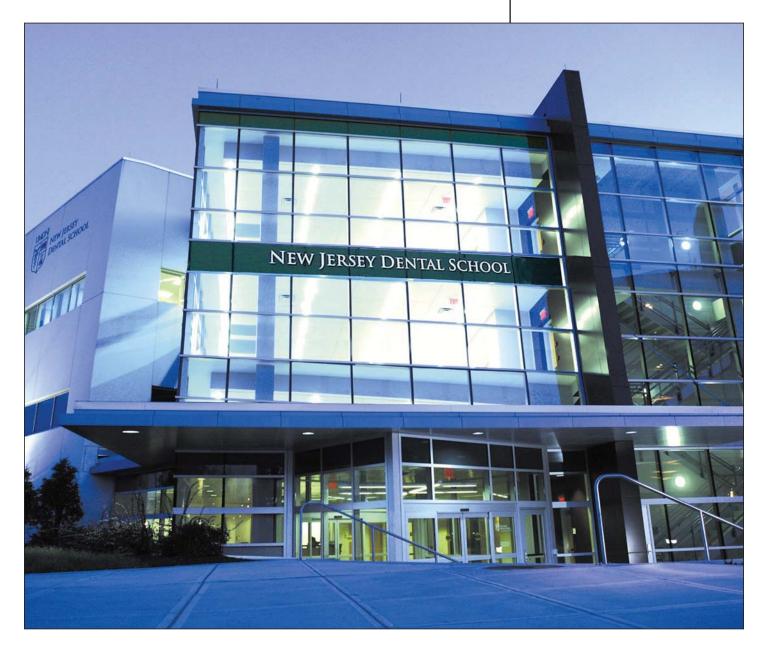
Taking the Next Step



2012 ANNUAL REPORT

New Jersey Dental School

The mission of the New Jersey Dental School is to improve oral health and quality of life through education of oral health professionals and scientists, the conduct of research, the promotion of health and disease prevention, and the delivery of oral health care to communities throughout the state and beyond.



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Cecil a Idde CECILE A. FELDMAN, DMD, MBA

Message from the Dean

William Drayton, one of America's earliest congressmen, once said, "Change starts when someone sees the next step." Visualizing the next step and actually taking it, however, are very different experiences. Any change-even one perceived to be positivebrings with it some level of ambiguity and fear. Yet it is by embracing change that we gain new insight, experience growth and opportunity and move forward in today's highly competitive world.

University of Medicine and Dentistry of New Jersey-New Jersey Dental School (UMDNJ–NJDS) has been "seeing the next step" and then taking it, since its inception in 1956. It has undergone phenomenal changes in its short history. In only 50-plus years it has gone from a small school—with a charter class of 36—to a preeminent academic dental institution, which receives some 2,000 applications for 90 seats every year. You will see as you read the 2012 annual report that NJDS is a school that is constantly on the move.

Our ability to optimize change will once again be tested. Beginning July 1, 2013, most of the University of Medicine and Dentistry's schools, including New Jersey Dental School, will become part of Rutgers, The State University of New Jersey. Along with that transition our name will change to Rutgers School of Dental Medicine. Our leadership recommended the new name to reflect that dentistry is a health profession founded in biomedical science. We believe our new name more closely aligns with today's dental education and practice.

We are very excited about joining with this great university and look forward to the many new opportunities the merger will present. We have built a solid foundation that will serve us well as we take on our new identity. And it is the collective talents and dedication of our faculty, staff and students and the achievements and support of our alumni that will sustain us as we take the next step.

Message from the President

Change is imminent for all of us at UMDNJ as most prepare to become part of Rutgers, The State University of New Jersey. One of my favorite quotes on change sums it up: Continuity gives us roots; change gives us branches, letting us stretch and grow and reach new heights. New Jersey Dental School is certainly well rooted in the neighborhoods it serves, the research community it leads, and the reputation for educational excellence it enjoys. Now, as the school becomes Rutgers School of Dental Medicine, it is poised to capitalize on expanded opportunities, as it also preserves a commitment to the same core principles that have guided operations for more than 50 years.

Major happenings and landmarks this year confirmed NJDS's standing as a premier school of dentistry. A \$2.5 million grant from the U.S. Department of Health and Human Services for faculty development will help ease the faculty shortage in dental schools in the mid-Atlantic states. The Community Oriented Dental Education II (CODE II) program marked its fifth year of enabling fourth-years students to work in a private-practicelike setting before graduating. This is an opportunity few other dental schools offer. The Dental Express, a pipeline program designed for the youngest students, celebrated its fifth year, while the Dental Exploration program for middle schoolers reached 100 children this year.

With great pride in these and all of the school's accomplishments, I thank Dean Feldman and the faculty, staff and students who will take that next step to continue to stretch and grow and reach new heights in the years ahead.



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DENISE V. RODGERS, MD, FAAFP

The Community that is

New Jersey ental Schoo

New Jersey Dental School is at once an integral part of the University of Medicine and Dentistry of New Jersey and a vibrant, thriving community of its own. Our school is a microcosm of the diverse region we serve. Our faculty, staff and students have backgrounds that are extraordinarily varied, yet we are united by the common goal of working to improve the lives of those we serve.

Celebrating Dedicated Service

In 2012 the NJDS faculty and staff came together for the sixth consecutive year to honor employees marking landmark years of service. The December event included remarks by Dean Feldman, who told the gathering that in addition to honoring people for their many years of service, the school was also honoring what they have collectively accomplished. "Each year we see thousands of patients, many of whom might not otherwise have oral health care," she said. "We also teach hundreds of students, who go on to become some of the top dentists in New Jersey. That doesn't happen without faculty and staff who are dedicated to excellence in everything they do." She added that this year's recognition event is the last one honoring employees of UMDNJ. "Next year we will be part of Rutgers University," she said. "What Rutgers is gaining is a group of passionate and dedicated men and women from NJDS, who are the heart and soul of this school."

A Room of Their Own

Several students, faculty and staff members worked together this past fall to create the first student study room on the Newark campus. Although students were welcome to study in the University's library and the dental school's Delta Dental Education Conference Center Multipurpose Room, they liked the idea of a quiet study area designated strictly for them.

Class officers Pavi Banav and Emma Pollack (Class of 2013) and Naina Kaushal and Alec Keon (Class of 2014) enlisted the help of Kim Fenesy, DMD, senior associate dean of academic affairs. Two conference rooms near the student lounge were made available. They were painted and re-carpeted and study carrels were installed. The rooms are



equipped with WIFI and 24/7 security surveillance cameras. A conference table and chairs were added for group study. Finally several staff members went through the school's photo archives and had pictures enlarged to hang on the walls. "We first thought of the idea after talking to students at New Jersey Medical School," says student-doctor Kaushal. "They have a

study room, and we thought it would be nice to have one, as well. Everyone was so helpful in getting the rooms ready for us. We are very grateful and thrilled with the new space."





Strengthening Community Ties is the Focus of 2012 Retreat

How can NJDS play a broader role in the City of Newark? How can the school better collaborate with its sister schools and nearby universities? What new opportunities are there for joint research?

These were only some of the questions raised at this year's faculty retreat, held on campus in June. Dean Feldman and the faculty exchanged ideas and began laying the groundwork for the next strategic plan. The keynote speaker was Dr. Steven Diner, the former chancellor at Rutgers-Newark and past president of the Coalition of Urban and Metropolitan Universities. Under his leadership that school built strong ties with the local community, and he established Rutgers–Newark's School of Public Affairs and Administration. Dr. Diner encouraged the faculty to take full advantage of teaching and research opportunities offered by Newark's rich array of academic, cultural, business, medical and scientific institutions, and its close proximity to New York City.



New Jersey Dental School Administration

The associate and assistant deans and the department chairs make up our Administrative Council, headed by Dean Cecile A. Feldman. They work together to facilitate the fulfillment of our mission, educating the next generation of practitioners and scientists, providing the highest quality oral health care, pioneering new discoveries, and serving as leaders in their fields. In addition to their duties at NJDS, most of them belong to a variety of professional organizations and hold elected offices.

Arnold Rosenheck, DMD Assistant Dean for Hospital Affairs and Institutional Development and Acting Chair, Department of Community

Kim E. Fenesy, DMD Senior Associate Dean of Academic Affairs

Health

Louis DiPede, DMD Interim Chair, Department of Restorative Dentistry

Rosa Chaviano-Moran, DMD Assistant Dean of Admissions and Student Recruitment

Daniel Fine, DMD Chair, Department of Oral Biology

Craig Hirschberg, DDS Acting Chair, Department of Endodontics Nanci Tofsky, DDS Interim Chair, Department of Pediatric Dentistry

Andrew Sullivan, DDS Interim Chair, Department of Periodontics

Michael Conte, DMD, MPH Senior Associate Dean of Clinical Affairs

Eli Eliav, DMD, PhD Chair, Department of Diagnostic Sciences

Jeanette DeCastro, PhD Assistant Dean of Academic Affairs

Andrea C. West, MBA Chief Operating Officer

Narayanan Ramassubbu, PhD Interim Associate Dean of Research

Jacqueline Schroeders, MBA Vice President of Finance

Thomas Cangialosi, DDS Chair, Department of Orthodontics

Vincent Ziccardi, DDS, MD Chair, Department of Oral and Maxillofacial Surgery

Deborah Carlino Compliance Officer

Cecile A. Feldman, DMD, MBA Dean

Not Pictured:

August Pellegrini, DMD Assistant Dean of Clinical Affairs

Jill York, DDS Assistant Dean of Extramural Clinics











Dental education at NJDS is the gold standard. We know that advancing our education means continually looking ahead and taking the next step. Our DMD classes attest to our reputation for providing a top-notch education: Students come from across the country and from some of the most prestigious colleges and universities in America. Our postgraduate programs attract students from around the world, many of whom go on to become experts in their fields. We have cultivated an international reputation as being among the best.

Our faculty is the lifeblood of the institution. Enthusiastic and caring educators, they take their mission very seriously. They expect nothing less than the students' best, yet recognize when extra support and nurturing are needed. Our outcomes attest to the faculty's dedication. Our students' clinical Northeast Region Board (NERB) exam results continue to top others in the region, with 100 percent passage by graduation. And once again, 100 percent of the students who applied to postgraduate programs were placed.

A Stellar Site Visit

NJDS was slated for a reaccreditation by the Commission on Dental Accreditation (CODA) last year, however, Hurricane Sandy struck just days before the CODA site visitors were scheduled to arrive. The visit was rescheduled for February 2013, and was completed then.

After four days of reviewing every aspect of the academic programs, including pre-doctoral programs, the Community-Oriented Dental Education (CODE) program, general practice residency, and postgraduate programs in endodontics, orthodontics, periodontics and prosthodontics, the visitors presented an overwhelmingly positive report. There were no recommendations for improvement, which is the best possible outcome.

At a post-site-visit celebration. Dean Feldman said the school has never had a CODA report of such high acclaim. "Along with the accolades, the team noted the many strengths they found in our programs," she

said. "I could not be prouder of this institution or this outcome." The school will be officially reaccredited for seven more years in July.

Endodontics Celebrates an Anniversary

The year 2012 marked a milestone for our

A daylong celebration titled "50 years of At an evening reception at the Newark

Department of Endodontics: It turned 50. Excellence in Endodontic Education: Our Golden Jubilee" began on campus with a continuing education (CE) program. Two presenters spoke on "Regenerative Endodontics," and "The Role of the Dentist in the Care of the Medically Complex Dental Patient." Club, more than 50 alumni recognized former chairs, postgraduates and faculty. Proceeds from the CE program and contributions to the Jubilee helped support a new \$25,000 endowed scholarship named in honor of Gary

APPLICATIONS 2.020 AVERAGE OVERALL GPA 3.59 AVERAGE SCIENCE GPA 3.53



Celebrating "50 years of Excellence in Endodontic Education: Our Golden Jubilee" are Mark Schachman, DMD, clinical associate professor, endodontics; Elizabeth Ketterlinus, vice president, New Jersey Health Foundation; Gary Hartwell, DDS, retired professor and chair of endodontics; and Dean Cecile Feldman.

Hartwell, DDS, department chair at the time. "I was shocked when the scholarship in my honor was announced; I had no idea it was even being considered," said Dr. Hartwell, who has since retired. "It is certainly an honor to have a scholarship in place long after I completed my tenure at our great school."

Pain Center Makes the Grade

The Diagnostic Sciences Department's Center for Temporomandibular Disorders (TMD) and Orofacial Pain had a highly a successful site visit by the Commission on Dental Accreditation in 2012. The Center received no recommendations, meeting all the standards for accreditation. In March 2013 the Center will receive "full accreditation without report requirement status," which is the best possible outcome.

Addressing a Critical Need in Dental Education

NJDS is helping to alleviate what is, perhaps, dental education's greatest challenge: a critical, nationwide shortage of faculty.

Thanks to a \$2.5 million grant from the U.S. Department of Health and Human Services, the school initiated a new program, "From Practice to Preceptor." The free program aims to recruit and train 45 practicing general and pediatric dentists to become faculty members at dental schools throughout the Middle Atlantic States (New Jersey, New York and Pennsylvania). NJDS is one of only a handful of dental schools in the country to receive an award. The principal investigator of the grant is Jeanette DeCastro, PhD, assistant dean for academic affairs, and the coprincipal investigator is Jill York, DDS, assistant dean for extramural clinics.

The two-year program will emphasize cultural competency and treating underserved



The first participants in the "Practice to Preceptor" program are: (rear) Drs. Bradley Smith '81 (Front, I–r) Angie Papandrikos, Valerie Rico '88, Maria Ambriosio and Deborah Brown '01.

and special needs children and adults. Participants will observe and teach in the clinic and pre-clinic and at an extramural site. They will also treat special-needs patients and plan and oversee a service project involving children in underserved communities. In addition, they will develop a research design to complete in the future to strengthen their scholarly activities. Those who complete the program will be qualified to teach, fulfill administrative roles and conduct research in an academic environment. Participants receive a small stipend and have access to

many of the school's resources. A unique feature of the program is attendance at Grand Rounds with the Family Medicine Department residents at UMDNJ– School of Osteopathic Medicine and at UMDNJ–New Jersey Medical School. The participants will also be part of inter-professional teams at those two schools, as well. "Recruiting new, talented faculty is vital to

any educational institution," says Dean Feldman. "Because dental education is extremely labor-intensive, it is doubly important for us."

Students Make the Best Possible Impression

NJDS students are among an elite few who are being trained in the latest impression technology. Last year 3M ESPE donated five Lava Chairside Oral Scanners (COS) through the Foundation of UMDNJ. Students are learning to use this state-of-the-art equipment and faculty use it to deliver patient care.

The COS captures highly accurate digital pictures of the oral cavity that are electronically sent to the laboratory to fabricate crowns, onlays, inlays or bridges. The practitioner uses a wand, about the size of an electric toothbrush, to scan the oral cavity and produce a real-time image on the computer screen. The dentist is able to rotate and magnify the view, and can discuss the findings with the patient, while he or she is still in the chair.

Students will continue to learn the traditional method of making impressions; Dental Express Pre-kindergarten to Third Grade

Dental Exploration Middle School Students

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has

Decision for Dentistry High School Students

Gateway to Dentistry College Students

SMDEP* Minority College Students

*NJDS is one of only 12 dental schools in the country to participate in the Summer Medical and Dental Education Program. It is sponsored by the Robert Wood Johnson Foundation.

however, knowing how to perform digital scanning will give them an even greater competitive edge.

Service Learning Through CODE

Our graduates leave NJDS with a deep sensitivity to the cultures and beliefs of every patient they see. One way they gain cultural competency is through our Community Oriented Dental Education (CODE) program. One of only two such programs in the country, CODE enables 11 fourth-year students to spend their entire senior year at an extramural site in our Statewide Network for Community Oral Health, Located in underserved areas of the state, the clinics have widely diverse patient populations and a high percentage of HIV/AIDS patients. Students who participate in CODE also gain experience working in a private-practice-like setting before leaving NJDS. Our graduates tell us their CODE experiences were invaluable and gave them a competitive edge in the workplace.

CODE II Celebrates Five Years

The success of the CODE program prompted us to create a CODE II program so every fourth-year student would have the opportunity to spend at least two weeks at an extramural clinic. Since its inception in 2007, 359 students have completed the program. CODE II was originally funded by a grant from the Robert Wood Johnson Foundation.

Closing the Diversity Gap

NJDS is changing the face of dentistry. Our commitment to recruit underrepresented minorities has paid off. The entering class of 2012 consisted of 18 percent Asian, 9 percent black, and 15 percent Hispanic students.

We believe it is never too early to introduce dentistry as a profession to minority students. To do so we designed four unique pipeline programs for children in pre-kindergarten through post-college. Younger children participate in age-appropriate activities, while learning proper oral hygiene. Older students go into the NJDS clinics to observe actual dental procedures being performed and do hands-on activities. A total of 25 students in the entering class of 2012 completed at least one of our pipeline programs.

Two of our programs celebrated landmarks in 2012: Our Dental Express program celebrated its fifth anniversary, and 100 Newark children completed our Dental Exploration program. And, a new element was added to those two programs: The students got to wear white coats while participating. By introducing lab coats, just like dental students receive, the kids get a deeper understanding of what it means to enter the dental profession, while learning the importance of helping others.

Martiza Camacho, program assistant in student affairs, oversees every aspect of Decision for Dentistry and Gateway to Dentistry—from processing applications to awarding the completion certificates. "It is very satisfying when I see any of these students eventually graduate from dental school," she says. "It's wonderful knowing I was a part of their decision to become a great dentist."







has international exchange programs with:

Trinity College School of Dental Science Dublin, Ireland

Sibar Institute of Dental Sciences Guntur, India

University of Sharjah College of Dentistry United Arab Emirates

Programs are under discussion with dental schools in Spain, Germany and Brazil.

New Jersey Dental School is:

in New Jersey

Community Oral Health, we accommodated more than 100,000 patient visits in 2012. And, because we believe everyone should have access to dental care, we treated thousands of uninsured and underinsured working poor, with more than 30 percent of our patients enrolled in Medicaid. We make a significant difference in the lives of the patients we serve.

and beyond. As the largest oral health care system in New Jersey, we do exactly that. With 296 operatories on the Newark Campus

Making a Difference

At NJDS we improve more than smiles; we improve lives. Our Restorative Dentistry Department is renowned for helping people with facial deformities, resulting from cancer surgeries, accidents or inherited defects. Besides having difficulty eating and speaking, these patients suffer emotional pain, as well. Some even become reclusive.

An integral part of our mission is to provide the

best possible care to the residents of our state

and a total of 24 in our Statewide Network for

One example is a 9-year-old child who has only a few teeth, due to a condition known as ectodermal dysplasia. Her face had a collapsed look, making her the brunt of jokes at school. NJDS practitioners fabricated a full set of age-appropriate dentures to fit over her few teeth, until she is old enough for implants. Her mother was so overjoyed she cried when she saw her child's new smile, and the youngster was so grateful she drew a "thank you picture" for her dentist, prosthodontic resident, Dr. Haitham Agha. "Being involved in these types of cases is very rewarding," says Louis DiPede, DMD, assistant professor of restorative dentistry. "You can completely change someone's life."

Care Beyond the Dental Clinic

For many years the link between oral and systemic health was not well understood. Today we know there is a strong connection. We examine the oral cavity for telltale signs of the many systemic diseases that manifest there, and we work closely with other health care practitioners to provide multidisciplinary care for every patient.

In addition to providing care in our clinics, we took the next step: Our faculty teach oral medicine at three of our sister schools.





the only dental school in New Jersey offering pre-doctoral and postgraduate dental education

the largest dental Medicaid provider in New Jersey

the largest special needs dental provider in the NJ/NY/PA region

the largest provider of oral health care to underserved populations





Physician assistant students and medical students learn the manifestations of systemic and local diseases in the mouth, and they learn to examine the oral cavity and its associated structures for the signs and symptoms of these conditions.

Worldwide Inter-professional Education

In 2012 Arnold Rosenheck, DMD, acting chair of the Oral Medicine Department at UMDNJ-School of Osteopathic Medicine (SOM) and assistant dean at New Jersey Dental School, received a development award from the American Association of Medical Colleges (AAMC) to create inter-professional curriculum modules for the association's Web site, the MedEdPORTAL. Dr. Rosenheck teamed up with Mahnaz Fatahzadeh, DMD, of diagnostic sciences, to create a "Dental Medicine Curriculum within the Medical Curriculum." The first module, "Head and Neck/Oral Comprehensive Examination" is currently on the site.

Our SCC and the Department of Pediatric Dentistry will soon be renovated and expand-

ed, thanks to a \$1.5 million gift from Delta

Dental of New Jersey and a \$1 million gift from Drs. Caven Brunsden and Nancy Villa-

Brunsden. The Delta Dental Special Care

Clinic will be adjacent to the new Brunsden-

Villa Pediatric Clinic, and has been designed

with wider hallways and doorways to accom-

modate large wheelchairs and stretchers. In

addition, it will have its own waiting area, a

educational/conference center and 35 new

electronic technology for instant access to

"The new treatment center will be better

equipped to handle the specific needs of this

population," says Dean Feldman. "As our

special needs patient roster continued to

grow, the need for a new facility became

our donors, who have helped make the

dream come to fruition."

students

more pressing. We are extremely grateful to

Richard Bloomstein, DDS, clinical associate professor, ortho-

dontics, goes over a patient's treatment plan with two NJDS

private reception/billing area, a "smart"

operatories. There will also be chair-side

patient records.



"By sharing inter-professional curricula online, we hope to promote this model of education to medical schools throughout the country and the world," says Dr. Rosenheck. "By teaching other health care professionals this skill, we are helping to lower the risk of life-threatening oral infections, systemic diseases and oral cancer. This is especially true for the indigent, who may see a physician or a physician's assistant, but rarely, if ever, go to the dentist."

Meeting the Needs of Special Care Patients

Along with offering comprehensive treatment to traditional patients, we provide specialized care to those who require it. Our Special Care Clinic (SCC) on the Newark Campus serves children with severe developmental disorders, such as Down's syndrome, muscular dystrophy, cerebral palsy and autism, as well as those with physical disabilities. Part of the Pediatric Dentistry Department, the Clinic serves patients from as far away as Delaware, Pennsylvania and New York State. There are nearly 10,000 patients on the SCC registry, up from 5,300 in 2005. Last year it accommodated 3,500 patient visits, and 350 patients had complex, multiple procedures performed under general anesthesia in the operating room.

Providing Statewide Care

According the New Jersey Department of Health and Senior Services, a disproportionate number of people with HIV/AIDS reside in eight of the state's southern counties. The lack of dental insurance and the need for private practitioners who are sensitive to these patients' needs make it difficult for them to get oral treatment.

We have been providing much of that care for more than 20 years, through our Statewide Network for Community Oral Health clinics in Galloway, Northfield (Atlantic County) and Somerdale (Camden County). The network is under the direction of Jill York, DDS, assistant dean of extramural clinics, and Harold Cohen, DDS, professor of diagnostic sciences. Five years ago NJDS received a grant from the U.S. Dept. of Health and Human Services (HRSA) to fund the Community-Based Dental Partnership. The funding is being used to improve access to care for HIV/AIDS individuals and to increase provider capacity for treating them. The largest of only 12 programs in the country to receive this funding, our Statewide Network was lauded by HRSA as a model of excellence in treating HIV/AIDS patients.





Ahead of the Curve in Implantology

Our implant program, under the direction of Barry Zweig, DMD, professor, oral and maxillofacial surgery, has experienced dramatic growth in the last seven years: We have gone from placing 300 implants in 2005 to placing 965 implants in 2012. That means all of our pre-doctoral students get experience in implantology before graduation. Only a handful of dental schools in the country can offer their students this academic and clinical experience. We are also one of only a few schools that offer a Fellowship in Implant Dentistry.

Using state-of-the-art digital technology, including CAD/CAM and cone beam computer tomography, our dentists can now be even more precise in determining the optimum depth and angle for implants. The result is ideal esthetics and function for our patients.

Traditional DMD Program International DMD Program ences-GSBS) **Pediatric Dentistry Oral and Maxillofacial Surgery Special Needs Dentistry** Orthodontics (3 years)

programs°rees

- Master in Dental Science (MDS)
- Masters of Science in Dentistry (MSD)
- Masters of Science in Oral Biology (offered with the Graduate School of Biomedical
- **General Practice Residency Program**

- **Periodontics (3 years)**
- **Prosthodontics (3 years)**
- Endodontics (2 years)
- Oral Medicine
- Oral and Maxillofacial Radiology
- **Orofacial Pain**
- Orthodontics
- **Geriatrics Fellowship** (Jointly sponsored by School of Osteopathic Medicine)

Ph.D. in Oral Biology (jointly offered by GSBS)





16 University of Medicine & Dentistry of New Jersey



Unraveling the mysteries of genetics; finding biomarkers in human saliva; and decoding the chemical language of biofilms. These are only a few of the studies underway in our laboratories. Our scientists and clinicians have long been seeing the next step and taking it in their quest for new treatments and, possibly, even cures. From relieving neuropathic pain, to finding new, gentler treatments for leukemia, NJDS researchers continually seek to improve the lives of others.

Besides being dedicated and enthusiastic, NJDS scientists are resourceful: in 2012 they garnered \$3.7 million in funding to conduct basic and clinical research that encompasses many areas of human health. They take their discoveries into the clinics, so today's patients benefit from their work, and they prepare the next generation of researchers, who will improve tomorrow's oral health care.

Making Strides in Treating Leukemia While doing research on the microorganism Aggregatibactor actinomycetemcomitans (Aa), Scott Kachlany, PhD, discovered a protein, known as leukotoxin that specifically targets and kills malignant white blood cells. The associate professor in oral biology envisioned the next step: leukotoxin as a therapy. In 2009 he formed Actinobac Biomed, Inc., and Leukothera[™] was developed. It is currently in pre-clinical trials.



In 2012 Dr. Kachlany received \$100,000 from the St. Baldrick's Foundation, an organization dedicated to raising funds for childhood cancer research. He is using the funding to test Leukothera™ on the malignant white cells of children. His company also began working with Texas A&M College of Veterinary Medicine and Biomedical Sciences last year to examine the use of Leukothera in dogs suffering from white cell disease. "Because of biological similarities, the data we obtain from these new studies will be applicable to dogs and support drug development for human applications as well," he said.

Dr. Kachlany is finding the possibility that his discovery will make it from the bench to the bedside to be exciting and gratifying. "Being a microbiologist, I considered myself to be a basic scientist, so generally your work is confined to the lab and you don't usually think about where it can go in the future," Dr. Kachlany said. "I hope one day I can walk into a hospital or clinic and see something that I developed in the lab actually changing someone's life for the better."





Studying Air Pollution in China

With the great expansion of industrial activity in recent years, much of China has seen decreases in air quality. In Beijing air pollution levels are usually much higher than even in the most severely polluted places in the U.S. During the 2008 Olympics unprecedented measures were implemented by the government to reduce air pollution during the Games so that athletes' performances would not be adversely affected. Scott Diehl, PhD, director of the Center for Pharmacogenetics and a professor in oral biology, and Chinese scientists teamed up to take advantage of this unique opportunity to learn more about the

"how and why" of air pollution's effects on human health

Subjects in the study were evaluated for biomarkers of inflammation, body burden of oxidative stress, autonomic tone, and cardiovascular function in their blood, urine and exhaled breath. In addition, they provided saliva samples that were used to extract DNA. Each participant was assessed before the Olympics, during the Games when air guality was improved, and after the Olympics when air pollution was expected to increase. The results were recently published

Defending Against Infections

Gill Diamond, PhD, associate professor of oral biology, has spent most of his career researching how the human body fights infection. He is currently focusing on two aspects of antimicrobial defense in the oral cavity. One study is looking at the potential role of vitamin D in enhancing the innate immune defense against periodontal pathogens. He and his team have demonstrated that the inactive form of vitamin D can be locally activated by the gingival cells, leading to an enhanced antimicrobial and anti-inflammatory effect in the gingiva (gums). That suggests that this simple food additive and vitamin supplement may be useful as a periodontal therapy that is applied directly onto the gums.

The second area he is working on involves the development of a novel antifungal agent for the treatment of oral candidiasis, commonly known as thrush, a fungal infection caused by yeast. He and his team have identified a small molecule mimetic of a naturally occurring host defense peptide, which exhibits potent antifungal activity in vitro. When delivered topically to mice in a model of oral candidiasis, a single delivery of this compound led to the complete eradication of the infection. They are continuing to study this molecule's method of action, for its possible development as a new treatment for fungal infections.

Bacteria vs. Bacteria

Daniel Kadouri, PhD, associate professor, oral biology, is looking to develop new antibiotics by using microorganisms to produce antimicrobial compounds that might be used to fight infections. He is using two particular predators Bdelloviibrio and Micavibrio, which are among the fastest-moving organisms in all of nature and among the potential weapons in the battle against antibiotic-resistant infections. Micavibrio has been dubbed vampire-like because it sucks nutrients out of its prey, but is harmless to most of the beneficial bacteria.

The U.S. Department of Defense has invested more than \$1.5 million in his work to find treatments for the deadly infections soldiers are bringing back from Iraq and Afghanistan. "Veterans don't always die from wounds, but from the massive infections later on. He is looking at more than 500 microbes to find potential infection fighters. "There will be a time when we face infections that are resistant to everything," he says. "We want something in our arsenal."

NJDS faculty members (I-r) Mark Rosenblum, PhD, DMD, associate professor, restorative dentistry; and Kenneth Markowitz, DDS, assistant professor, oral biology, are collaborating with Kean University associate professor of biological sciences Evros Vassiliou. PhD. to create a new product that will help reduce dental pain.



Kenneth Markowitz, DDS, joined forces with a scientist at Kean University in the fight against dental pain. He explains that there are two types of dental sensitivity: one occurs when a tooth's root surface is eroded, and the other is the pain that occurs with inflammation, from a caries infection, filling a cavity, or other causes. The two researchers are developing a fluid emulsion that contains antiinflammatory drugs, as well as small, porous particles that will carry the drug and deliver it to the affected tooth nerve. The emulsion will be placed into the tooth during dental procedures and the medication will permeate the dentin-the dense, bonelike tissue beneath the surface of the tooth-to the nerve.

The associate professor in oral biology at NJDS and Evros Vassiliou, PhD, associate professor of biological sciences at Kean, make the perfect team. Dr. Markowitz's side of the research is the drug and Professor Vassiliou's is the particle that carries the drug. The third team member is Mark Rosenblum, PhD, DMD, an associate professor of restorative dentistry at NJDS and a dental materials and electron microscopy expert. He was also one of Dr. Markowitz's teachers at NJDS.



This treatment would only add a minute or two to the dental visit," says Dr. Markowitz. "By applying this medication during treatment, you're short-circuiting the inflammatory process before it can even get started."

Avoiding Potential Side Effects

Daniel Fine, DMD, chair of oral biology, has spent decades researching the pathways of oral bacteria. His studies have given him insight into how and why certain microorganisms cling to mucosal tissue to cause disease. He recently set out to understand how to break that "magnetic attraction" and detach the bacteria from their natural target. And he did just that.

"We created a decoy molecule to compete with the infectious agent and prevent it from attaching to either the tooth enamel or its mucosal surfaces," he says. By fusing parts of two salivary proteins-one from lactoferrin, which functions as an antimicrobial, and one from statherin, a salivary protein with a natural affinity to enamel—he was able to synthesize a "sticky" peptide that attaches to enamel surfaces and blocks plague formation. The ingenious aspect of this newly created fusion peptide is that it is released slowly from that enamel surface. "Half of this peptide is an active-antimicrobial with the ability to kill a wide variety of bacteria that cause caries and gingivitis; the other half makes the killer-bacteria stick to its target," he explains.

The new peptide does the job of an antibiotic but is not harmful or toxic to human cells. Dr. Fine founded Affineti Biologics to develop anti-cavity and periodontal therapies, using these peptides, which are applied directly to the teeth, thus avoiding systemic side effects.

The researcher is also working on a treatment for dry mouth using the same peptidefusion process, but with different peptides. "Dry mouth is a quality of life issue, not a disease," he says. "But it affects a lot of people." One of the peptides in his dry mouth rinse is from common bacteria that attach to epithelial cells and a second peptide that absorbs water. The product lubricates the

Cardiorespiratory biomarker responses to drastic air quality changes Genetic factors involved in patients' side effects from opiate-based drugs Development of microbial peptides in the lab that protect against infection Use of vitamin D in the mouth to quell the production of plaque and periodontitis Genetic factors underlying bacterial colonization of oral tissue Use of vitamin D aerosol spray in the treatment of cystic fibrosis Causes, diagnosis and treatment of orofacial pain Mechanisms of disease resistance Microbial markers in saliva for osteoporosis Use of bacteria to fight other bacteria Improvement in dental materials, equipment and techniques

all of oral biology.

areas of the body.

Scientists

When asked, most scientists say it was an outstanding mentor who prompted them to go into research. NJDS faculty members have mentored hundreds of students at the preand postdoctoral level. These caring, dedicated individuals enjoy counseling their students and are thrilled when the future scientists uncover new knowledge.

This past year was exceptional for NJDS students who entered the research arena. Three pre-doctoral students submitted their summer research results to the New York Academy of Dentistry's annual competition. They won, and were invited to present their poster in February in New York City. Secondyear students Grigoriy Efros and Jonathan Snow and third-year student Benjamin Immerman presented "Analysis of Charged Silica Adhesion to Deep Dentin." The \$4,000

KEY RESEARCH being conducted at NJDS

mouth, but it also sticks to mucosal surfaces, so the effect is lasting. Dr. Fine's collaborators are Narayanan Ramasubbu, PhD, Kabilan Velliyagounder, PhD, and David Furgang, PhD,

Future studies in Dr. Fine's lab will look at using these fusion peptides to develop other treatments for mucosal infections in other

Mentoring the Next Generation of

prize will be used for research in Dr. Daniel Fine's lab, where they conducted their winning investigation

NJDS postgraduate students took more honors than any school that participated in the American Academy of Implant Dentistry (AAID) annual meeting in Washington, DC. Linda Xing, DMD, a postgraduate in periodontics, won third place for her poster "Comparative Clinical Study of Membrane Assisted Socket Healing," and Prashanth Konatham Haribabu, BDS, MDS, a postgraduate in diagnostic sciences, took second place for both his poster and table clinic "The Utilization of Mineralized Cortico-Cancellous Block Allograft in Alveolar Ridge Defects for Implant Rehabilitation."

And, for the first time ever, a NJDS student received the prestigious William S. Kress Award from the Mid-Atlantic Society of Orthodontics, which includes the District of Columbia, Maryland, New Jersey, Pennsylvania and Puerto Rico. Bruce Taisois, DMD, '12, a resident in orthodontics, received the award for the best research and thesis, titled, "Dentoskeleton Effects of Damon and Tip-Edge Space Closure Mechanics."







Serving Close to Home

Going to the dentist can be fun, especially if it's the first Friday in February. That's what kids who came to NJDS discovered on February 3, during Give Kids A Smile! (GKAS). In 2012 some 361 kids were seen on the Newark Campus, and a total of 44 visited the network sites at Galloway, Northfield and Somerdale. Because many of the children have never been to a dentist, Debra Goldsmith, RDH, MS, assistant professor, community health and event director, ensured the experience was a positive one. A juggler entertained the kids while they waited to see



the dentist, and NJDS students distributed crowns made of balloons, chatted and played games with the patients. An added feature this year was a visit from US Senator Robert Menendez of New Jersey. Senator Menendez held a press conference on campus, during which he lauded the community service that the school provides, not only during GKAS! but throughout the year.

making the day a success.

NJDS partnered with the ADA and the NJ Dental Association to host the event. Funding was provided by the PNC Foundation and the ToysRUs Children's Fund.

At NJDS serving our community is a vital part of all that we do. Our students, faculty and staff routinely participate in outreach programs in Newark, throughout the state and around the world.

Last year was no exception. Our students participated in 65 community service projects, including health fairs, health education programs and oral health screenings on campus, at schools, community and cultural centers and other locations throughout the region.

"As oral health care providers we have a responsibility to provide care to those who would otherwise not get it," says Dean Feldman. "We have been successful in instilling that responsibility in our students. Many of them go well beyond the required hours of community service, and some even organize outreach projects on their own. Serving others is a priority at NJDS."

"It is so important that a first dental experience takes place somewhere other than an emergency room," says Dean Feldman. "This day is great, because we reach so many children at once and can teach them that proper oral hygiene is vital to good oral health and good overall health. We want to set the stage for them to practice good oral hygiene for the rest of their lives." More than 100 NJDS faculty, staff members and students had a hand in

At the **Olympics** About 100 students, faculty, staff

and alumni

volunteered at

New Jersey's Special Olympics Summer Games of 2012. During the two-day event, more than 550 athletes visited Special Smiles headquarters, where they received free dental screenings, oral hygiene instructions and free custom-made mouthguards. Special Smiles is part of the Special Olympics Healthy Athletes initiative created to focus on health issues facing the athletes.

Recognizing the unmet dental needs of Special Olympians, NJDS was the first to design and pilot a program that collected data on the athletes at the Games. We looked at the athletes' oral health status, patterns of care, and barriers to care. Data are now collected worldwide at the Games and used to encourage dental schools to implement

special needs curricula and to demonstrate to all levels of government that access to care must be increased for this population.

A Capitol Connection

Anyone who stopped by the New Jersey State House Visitors Center on June 30 could get more than tourist maps; they could have free oral cancer screenings and learn about the life-threatening condition. In conjunction with the New Jersey Dental Association, Drs. Mahnaz Fatahzadeh, DMD, associate professor, diagnostic sciences, and Arnold Rosenheck, DMD, acting chair of community health, performed the screenings.

Among the 57 who opted to have screenings were five legal secretaries, three assemblymen, and three senators. Debra Goldsmith, RDH, MS, assistant professor, community health, distributed information on smoking cessation, the signs and symptoms of oral cancer, and the importance of early detection. "Many people don't know oral cancer is highly curable in the early stages," says Ms. Goldsmith. "Screenings take a few minutes

and are painless, yet they save lives. And, some people don't know that smoking is a risk factor for developing oral cancer. That's why we want to get the word out."

In addition to the screening at the capitol, we offered free screenings at the annual Oral Cancer Screening Day, held every spring in conjunction with the Essex County Cancer and Health Fair. A total of 162 individuals had free screenings last year, and several had risk factors for oral cancer. About the same number of people visited the fair, where they got information on a variety of health-related topics. With help from the Essex County Cancer Coalition, prostate, breast and cervical cancer screenings were performed on qualified individuals.

Keeping Seniors Informed

Often senior citizens don't get dental care because they can't afford it. Financial help is available, however, and Doric Johnson, staff assistant in restorative dentistry, and Rebecca Reed, DMD, assistant professor, community health, went to the Center for Geriatric Health





Every year NJDS participates in

Give Kids A Smile!

New Jersey Special Olympics Special Smiles program

Oral Cancer Screening Essex County Cancer Fair

Statewide Health Fairs

Oral Health Awareness Day at Liberty Science Center

at Newark Beth Israel Medical Center to tell seniors exactly that.

At the "Smile for Dental Health" workshop, Ms. Johnson explained that a grant from the Essex County Division of Senior Services provides financial assistance for county residents 60 or older, who get dental treatment at NJDS. Ms. Johnson explained how to enroll in the program and that NJDS is the dental care provider.

Dr. Reed told the group of the many services the dental school offers and what some of the treatments involve. She also explained the importance of proper oral hygiene and the oral health-overall health connection. "It is so important to get the word out that funds are available," says Dr. Reed. "Getting the oral health care they need helps Essex County's seniors have a better quality of life and enjoy their golden years to the fullest." The seniors also received free toothbrushes and toothpaste.

Leonid Epshteyn, '13 performs an oral screening during the 2012 Special Olympics

Serving Across the Country

Two groups of NJDS health care providers, each consisting of eight rising seniors and two supervising faculty, delivered vital dental services to members of the Navajo Tribal Nation at the Four Corners Health Center in Teec Nos Pas, AZ, in August. They performed more than 500 basic procedures, including routine restorations, periodontal therapy, root canals, extractions and minor prosthetics. They also taught their patients proper oral health care.

Gary Vitaletti, DMD, director of the Oral Diagnosis Division, started the program in 2005 with six students. Since then a total of 98 NJDS students have treated members of the Oglala Sioux in Pine Ridge, SD; Chippewa in Belcourt, ND; Hopi in Polacca, AZ; and Navajo in Red Mesa, AZ. More than 2,400 Native Americans have received this desperately needed treatment. Drs. Vitaletti, Delahanty, Rosenblum and Samant accompanied the students. The trips have been sponsored by the dental school and the Indian Health Service (IHS), along with significant financial support from individuals and groups, such as the AMB Foundation and the NJDS Alumni Association.







Helping the Global Community

In the U.S. facial anomalies, such as cleft lips and cleft palates, are usually corrected before a child reaches his or her first birthday. In countries like Bangladesh, where people cannot afford even basic medical care, these surgeries are not an option. As a result these children's faces are misshapen, and they have difficulty speaking and eating. Perhaps even worse is the isolation the entire family suffers. Oral and maxillofacial surgeon Shahid Aziz, MD, DMD, has been traveling to Bangladesh every year since 2006 with a team of colleagues. This past year he made the trek twice: in March he went to Sylhet with Gary Fishbein, DMD, and Samer Albadawi, DMD; and in November to Cox Bazar with Leo Paige, DMD, all residents in NJDS's oral and maxillofacial surgery program. They completed a total of 100 procedures.

community."

People with no access to oral health care got much-needed treatment when a cohort from NJDS took a trip to the Caribbean island of Hispaniola. Pamela Alberto, DMD, clinical

"When you repair a cleft you are not just fixing a congenital deformity, you are improving a face and bringing happiness and relief to a child's family," says Dr. Aziz. "Ultimately, we help improve the quality of life in an entire

Providing Care in the Caribbean

A team of physicians and oral surgeons, led by Shahid Aziz, DMD, MD, associate professor, oral and maxillofacial surgery, performed a total of 101 cleft lip/palate surgeries during two trips to Bangladesh in 2012.

associate professor, oral and maxillofacial surgery, and fourth-year students Patricia Dary, Kerisa Harriott and Gabriela Rosas treated people in Haiti and the Dominican Republic, during a week-long mission.

They flew to the Dominican Republic then drove two vans filled with dental equipment to a hospital in the mountain town of Restauracion. They spent a day setting up the clinic then began seeing patients. They performed 290 cleanings, 180 extractions, 270 restorations and applied 50 sealants on 332 patients. About two-thirds of the patients were children, including a number of Haitian kids whom two of the students brought to the clinic from the town of Tillery, just across the border.

Each evening the group assembled hundreds of bags with toothbrushes, toothpaste and dental floss, donated by Colgate-Palmolive. "In the Dominican Republic the average income is \$13 a day, and in Haiti it's \$3 a day. A toothbrush and toothpaste cost \$7," explains Dr. Alberto. "Owning a toothbrush there is like having gold. They were thrilled to get them."

This was Dr. Alberto's second mission to the Dominican. "The people were shocked that we returned," she says. "We go up in the mountains, which is difficult to get to and where it is hard to set things up," she says. "It is truly considered the 'frontier,' and an area that tourists never see." She hopes to return next year with an x-ray unit, so the scope of treatment can be increased. The trip was funded by donations through the Foundation of UMDNJ from NJDS alumni and other dentists, some of Dr. Alberto's friends and members of her church.

Timeline

JANUARY

Match Day for the Class of 2012 continued the tradition of success. 100 percent of those who applied for postgraduate residencies were placed into programs.

The Dental Exploration program hits a landmark, as 100 Newark public school children complete the pipeline program. Designed for fifth-



through eighth-graders, the interactive program aims to spark students' interest in possibly pursuing careers in dentistry.



3M ESPE donates five, Lava Chairside Oral Scanners (COS) through the Foundation of UMDNJ. Students will learn to use the scanners to take digital impressions, along with learning the traditional method.

FEBRUARY



Newark campus and 44 at the network sites.

NJDS faculty and students volunteered at the annual Children's Oral Health Day, held at Liberty Science Center in Jersey City.

Three students from the University of Sharjah School of Dental Medicine in the United Arab Emirates (UAE) visited NJDS for two weeks, as part of a new exchange program with NJDS.

MARCH

Anthony Volpe, DDS, '60, receives the American **Dental Education** Association's William J. Gies Awards for Achievement as a Public or Private Partner.

The prestigious award recognizes exceptional contributions to and support of oral health and dental education.

Arnold Rosenheck, DMD, assistant dean, receives a development award from the American Association of Medical Colleges (AAMC) to create inter-professional curriculum modules for posting on AAMC's Web site, MedEdPORTAL. The site provides free medical and dental educational resources.

APRIL

Pamela Alberto, DMD, clinical associate professor, oral and maxillofacial surgery, and three fourth-year students treat 332 patients, mostly children, in the Dominican Republic and Haiti, during a week-long mission.

A 30-member contingent from NJDS join other dental students in NYC to help raise funds for the Oral Cancer Foundation, Mahnaz Fatahzadeh, DMD, diagnostic sciences, and the students help raise awareness of the importance of early diagnosis and prevention.



total of 29 postgraduate degrees and certificates. At the NJDS Convocation graduating seniors are honored with special awards for scholarship, leadership and service.

Frustees confer 108

NJDS once again holds a spring Oral Cancer Screening Day, in conjunction with the Essex County Cancer and Health Fair. A total of 162 individuals are screened.

JUNE

Strengthening Community Ties is the topic of a faculty retreat. Dean Feldman and the faculty exchange ideas and information and begin laying the groundwork for the next strategic plan.

About 100 students, faculty, staff and alumni volunteer at New Jersey's Special Olympics Summer Games of 2012. During the two-day event, more than 550 athletes visit Special Smiles headquarters, where they have free dental screenings, receive oral hygiene instructions and have custom-

Special made mouthguards fabricated. Olympics

JULY

NJDS receives a \$2.5 million grant from the U.S. Department of Health and Human Services to initiate a new program, "From Practice to Preceptor." The funds will be used to train 45 practicing, general and pediatric dentists to become dental faculty members in the Middle Atlantic States (New Jersey, New York and Pennsylvania). Special emphasis will be placed on cultural competency and successfully treating underserved and special needs children and adults. Jeanette DeCastro, PhD, is the principal investigator and Jill York, DDS, is co-principal investigator of the grant.

A total of 151 NJDS faculty and/or alumni are chosen Top Dentists, when New Jersey Monthly magazine publishes its list of the top 364 dentists in the state. NJDS is represented

in all nine categories, and 61 faculty and /or alumni are also on last year's list.



More aspiring dental students than ever participate in the 2012 Summer Medical and Dental Education Program. Because of the overwhelming demand, NJDS accepts 27, more than the usual 20 college freshman and sophomores. Of the 12 dental schools that participate, it is the only one to do so.

NJDS holds a free oral cancer screening at the New Jersey State House in Trenton and screens 57 visitors.



AUGUST



The 94 members of the Class of 2015 begin their dental careers with a White Coat ceremony. They receive pins from Dr. Anthony Volpe,'60.

White coats are introduced into NJDS's Dental Express and Dental Exploration pipeline programs. The programs are designed to introduce children, particularly minorities, to the dental profession. The goal of presenting white coats is to cultivate a deeper understanding of the meaning of entering the dental profession and emphasize the importance of caring for others.

Two groups, each consisting of eight rising seniors, and two supervising faculty deliver vital dental services to members of the



Navajo Tribal Nation at the Four Corners Health Center in Teec Nos Pas, AZ. They perform more than 500 basic procedures, including routine restorations, periodontal therapy, root canals, extractions and minor prosthetics. They also teach proper oral hygiene. Drs. Gary Vitaletti, James Delahanty, Marc Rosenblum and Asha Samant accompanied the students.

SEPTEMBER

The Diagnostic Science's Department's Center for TMD Disorders and Orofacial Pain has a highly a successful site visit by the Commission on Dental Accreditation. The Center receives no recommendations, meeting all the standards for accreditation. In March 2013 the Center will receive "full accreditation without report requirement status," which is the best possible outcome.

OCTOBER

Hartwell, DDS.

"From Practice to Preceptor," a new program designed to increase the number of dental faculty in the region, gets underway. The first participants are Drs. Bradley Smith '81, Angie Papandrikos, Valerie Rico '88, Maria Ambriosio and Deborah Brown '01.

The site visit for reaccreditation by the Commission on Dental Accreditation is rescheduled for February 2013, because of Hurricane Sandy.

Students begin using their new study rooms. The rooms are equipped with WIFI, power strips for plugging in electronic devices, individual study carrels and a conference table for group sessions.



The Department of Endodontics celebrates a halfcentury of care with "50 years of Excellence in Endodontic Education: Our Golden Jubilee." Former chairs, postgraduates and faculty are honored, and a scholarship is established in honor of Gary



NOVEMBER

Food, clothing drives and fund-raisers abound on campus as students initiate a variety of projects to help victims of Superstorm Sandy.



DECEMBER

NJDS faculty and staff come together for the sixth consecutive year to honor employees marking landmark years of service. The most years of service by a faculty member is 45, and by a staff member is 25.



A delegation from China's State Food and Drug Administration spend a day at

UMDNJ touring the facilities and learning about the American health care system. The 13 scientists begin the NJDS portion of the tour in the Pediatric Dentistry Department, where they discuss U.S. children's oral health care. They also stop in Prosthodontics and Oral Biology departments, the Delta Dental Educational Conference Center and several dental research labs.

NJDS students and faculty from two CODE sites participate in World AIDS Day. Five students from Somerdale volunteer at an event held at St. Paul's Episcopal Church in Camden. World AIDS Day raises awareness and demonstrates international solidarity against HIV/AIDS.

Thank you to all of these donors who have supported New Jersey Dental School.

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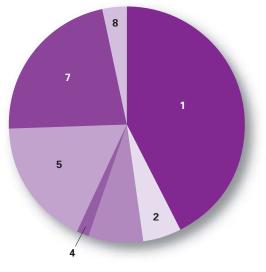
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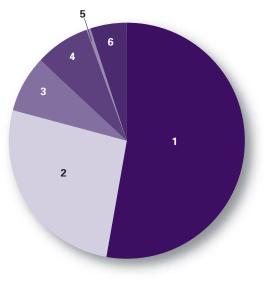
REVENUE

то	TALS	50,604.000	100.00%
8	Other	1,606.000	3.17%
7	State Appropriation	11,230.000	22.19%
6	Donations and Endowment Income	0.000	0.00%
5	Patient Service Revenues	8,910.000	17.61%
4	Indirect Cost Recoveries	755.000	1.49%
3	Recoveries of Direct Grant Expenses	3,796.000	7.50%
2	Faculty Practice	2,665.000	5.27%
1	Tuition and Fees	21,642.000	42.77%



EXPENSE

TOTALS 49,644.000 10			
6	Central Administration Costs	2,389.000	4.81%
5	Debt Service	250.000	0.50%
4	Life Cycle Management	3,802.000	7.66%
3	Direct Grant Expenses	3,796.000	7.65%
2	Non-Salary	13,193.000	26.58%
1	Salaries and Wages	26,214.000	52.80%





Newark-based Dental School Number of Treatment Sites

Oral Health Pavilion: 80 Operatories Bergen Street Pavilion: 218 Operatories, 2 Surgical Operating Rooms Center for Dental and Oral Health: 8 Operatories

Statewide Network for Community Oral Health

University Dental Center at Somerdale: 10 Operatories University John H. Cronin Dental Center, Northfield: 8 Operatories University Dental Center, Galloway: 6 Operatories University Dental Center at Matheny Medical and Educational Center, Peapack: 2 Operatories Total: 334 Operatories

Faculty

90 Full-time 112 Part-time 153 Volunteer

Staff

236 Full-time 14 Part-time

Enrollment as of Spring 2012

Internationally Trained DMD: 50 Pre-doctoral: 356 Postgraduate: 100

2012 Degrees Awarded

Doctor of Dental Medicine (DMD): 108 Master of Dental Science: 16 Master of Science in Dentistry: 3 Others: 28

BS/DMD Affiliates

Caldwell College Fairleigh Dickinson University Montclair State University New Jersey City University New Jersey Institute of Technology North Carolina Central University Ramapo College Richard Stockton College of New Jersey Rowan College Rutgers University Saint Peters College

New Jersey Dental School



Centers at NJDS

Advanced Technology Education Center Center for Dental and Oral Health (Faculty Practice) Center for Oral Infectious Diseases Center of Pharmacogenomics & Complex Disease Research Special Care Treatment Center The Center for Orofacial Pain The Implant Center Craniofacial Center of New Jersey

Programs/Degrees

Traditional DMD Program International DMD Program Master in Dental Science (MDS) Masters of Science in Dentistry (MSD) Masters of Science in Oral Biology (offered with the Graduate School of Biomedical Sciences-GSBS) General Practice Residency Program Pediatric Dentistry Oral and Maxillofacial Surgery Special Needs Dentistry Orthodontics (3 years) Periodontics (3 years) Prosthodontics (3 years) Endodontics (2 years) Oral Medicine Oral and Maxillofacial Radiology Orofacial Pain Orthodontics Geriatrics Fellowship (Jointly sponsored by School of Osteopathic Medicine) Ph.D. in Oral Biology (jointly offered by GSBS)

Only dental school in New Jersey offering pre-doctoral and postgraduate dental education

Total patient visits throughout New Jersey: exceed 100,000 annually

Largest dental Medicaid provider in New Jersey

Largest special needs dental provider in the NJ/NY/PA region

Largest provider of oral health care to underserved populations in New Jersey

History of UMDNJ–New Jersey Dental School

The inaugural Class of 1960 matriculates in 1956

The state legislature establishes New Jersey College of Medicine and Dentistry in 1965

The name is changed to the College of Medicine and Dentistry of New Jersey in 1971

University status is granted in 1981; the school becomes the University of Medicine and Dentistry of New Jersey



NEW JERSEY Dental School

University of Medicine & Dentistry of New Jersey

110 Bergen Street PO Box 1709 Newark, New Jersey 07101–1709

www.umdnj.edu