



National Institute of Dental  
and Craniofacial Research

# Extramural Research Training and Career Development Programs



The National Institute of Dental and Craniofacial Research (NIDCR) has primary responsibility for meeting the biomedical workforce needs in dental, oral, and craniofacial health research. The NIDCR research training and career development programs span the career stages of scientists. Training support is provided for basic, clinical, behavioral, and other research related to the NIDCR mission. The NIDCR supports both individual and institutional research training and career development awards. Individuals eligible for research training support include: (1) combined dual-degree DDS/DMD-PhD students, predoctoral PhD students, and individuals with dental degrees earning PhD or equivalent research degrees; (2) individuals with a DDS/DMD or other clinical degree seeking protected time for research and research career development; (3) individuals with a DDS/DMD, PhD, or other doctoral degree pursuing postdoctoral training; and (4) mid-career or senior scientists who want to train or re-train in new areas of research or research methodology.

## Programs for Predoctoral Students

Program Name	Description	Length	Award
Ruth L. Kirschstein National Research Service Award (NRSA) for Predoctoral Dual-Degree Training (F30)	For students pursuing both DDS/DMD and PhD degrees.	Up to 6 years	Annual Stipend, Partial Tuition, Institutional Allowance, and childcare costs (if applicable)
Ruth L. Kirschstein NRSA Individual Predoctoral Fellowship (F31)	For PhD students, MD/PhD students may use for PhD component of training.	Up to 5 years	Annual Stipend, Partial Tuition, Institutional Allowance, and childcare costs (if applicable)
Ruth L. Kirschstein NRSA Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (F31)	For PhD, DS/DMD-PhD, MD/PhD, DVM/PhD or other combined dual-doctoral degree students from diverse backgrounds including those from groups underrepresented in biomedical, clinical, behavioral, and social sciences.	Up to 5 years	Annual Stipend, Partial Tuition, Institutional Allowance, and childcare costs (if applicable)
NIDCR Predoctoral to Postdoctoral Transition Award for a Diverse Dental, Oral, and Craniofacial Research Workforce (F99/K00)	Two-phase award for PhD or dual-degree students from diverse backgrounds including those from groups underrepresented in biomedical, clinical, behavioral, and social sciences. The first Phase (F99) supports completion of the PhD. The second phase (K00) supports transition for postdoctoral research.	Up to 5 years	<b>F99:</b> Annual Stipend, Partial Tuition, and Institutional Allowance <b>K00:</b> Annual Salary and Research Development
NIDCR Dual Degree Dentist Scientist Predoctoral to Postdoctoral Transition Award (F99/K00)*	Two-phase award for individuals enrolled in integrated U.S. dual-degree DDS/DMD-PhD programs. The first phase (F99) supports completion of dual-degree training. The second phase (K00) supports transition for postdoctoral research.	Up to 5 years	<b>F99:</b> Annual Stipend, Partial Tuition, and Institutional Allowance <b>K00:</b> Annual Salary and Research Development
NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (D-SPAN) Award (F99/K00 Independent Clinical Trial Not Allowed)	Two-phase award for neuroscience PhD students from diverse backgrounds including those from groups underrepresented in biomedical, clinical, behavioral, and social sciences. The first phase (F99) supports completion of the PhD. The second phase (K00) supports transition for postdoctoral research.	Up to 6 years	<b>F99:</b> Annual Stipend, Partial Tuition, and Institutional Allowance <b>K00:</b> Annual Salary and Research Development

## Programs for Postdoctoral Fellows & Jr. Investigators

Program Name	Description	Length	Award
Ruth L. Kirschstein NRSA Individual Postdoctoral Fellowship (F32)	Mentored postdoctoral research training. Dentists and other health professionals may use for PhD training.	Up to 3 years	Annual Stipend, Partial Tuition (if applicable), Institutional Allowance, and childcare costs (if applicable)
NIDCR Mentored Career Development Award to Promote Diversity in Health-Related Research (K01)	Career development award for individuals with a doctoral degree from diverse backgrounds including those from groups underrepresented in biomedical, clinical, behavioral, and social sciences. Award requires minimum of 75% full-time professional effort dedicated to award.	Up to 5 years	Annual Salary, Fringe, and Research Development
Mentored Research Scientist Award (Parent K01)	Career development award for re-entry of individuals into the dental, oral, and craniofacial research workforce. Applicants must have a doctoral degree and have been in a postdoctoral or faculty position and actively involved in dental, oral, or craniofacial research at the time of career interruption. Award requires minimum of 75% full-time professional effort.	Up to 5 years	Annual Salary, Fringe, and Research Development

Individual Mentored Clinical Scientist Development Award (K08)	Career development award for individuals with clinical doctoral degree conducting basic or translational research. Award requires minimum of 75% full-time professional effort. May be used by junior faculty seeking protected research time, dentists pursuing a PhD or other research doctoral degree, or individuals with a clinical doctoral degree conducting postdoctoral research.	Up to 5 years	Annual Salary, Fringe, and Research Development
Individual Mentored Patient-Oriented Research Career Development Award (K23)	Career development award for individuals with clinical doctoral degree conducting patient-oriented research. Award requires minimum of 75% full-time professional effort. May be used by junior faculty seeking protected research time, dentists pursuing a PhD or other research doctoral degree, or individuals with a clinical doctoral degree conducting postdoctoral research.	Up to 5 years	Annual Salary, Fringe, and Research Development
Individual Mentored Quantitative Research Career Development Award (K25)	Career development award for individuals with a doctoral degree in quantitative scientific and engineering disciplines outside of biology or medicine who wish to integrate their research expertise with behavioral, basic, or clinical biomedical research. Award requires minimum of 75% full-time professional effort.	Up to 5 years	Annual Salary, Fringe, and Research Development
NIH Loan Repayment Programs (LRP)	Repayment of up to \$50,000 per year of qualified educational debt for individuals with doctoral degrees working at a U.S. nonprofit or university. Eligible applicants must conduct research at least 20 hours/week and have an educational loan debt at least 20% of annual salary. NIDCR participates in the NIH Pediatric, Clinical Research, Health Disparities, and Research in Emerging Areas Critical to Human Health (REACH) LRPs. The NIDCR Dentist-Scientist <b>REACH</b> program will support dentist-scientist performing basic, clinical, translational, social science and behavioral research that aligns with the NIDCR Extramural Grant Programs.	2 years first contract, renewable	Repayment of educational debt and reimbursement of federal and state taxes on repayment

## Programs for Career Transition

Program Name	Description	Length	Award
NIH Pathway to Independence Award (K99/R00)*	Two-phase award for mentored postdoctoral research training (K99) and independent research support (R00) for individuals with a doctoral degree and less than 4 years of postdoctoral research experience. Award requires minimum of 75% full-time professional research effort.	<b>K99:</b> 2 years <b>R00:</b> 3 years	<b>K99:</b> Annual Salary, Fringe, and Research Development <b>R00:</b> Research Support
NIDCR Dual Degree Dentist Scientist Pathway to Independence Award (K99/R00)*	Two-phase award for mentored postdoctoral research training (K99) and independent research support (R00) for individuals with both dental and research doctoral degrees (e.g., DDS, PhD) and less than 4 years of postdoctoral research experience since the most recent degree. Award requires minimum of 75% full-time professional research effort. Option to extend independent research support phase if R00 phase institution provides independent tenure track research faculty position along with advanced dental specialty education to applicant at no more than 25% effort per year.	<b>K99:</b> 2 years <b>R00:</b> 3-5 years	<b>K99:</b> Annual Salary, Fringe, and Research Development <b>R00:</b> Research Support
Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00)	Two-phase award for mentored postdoctoral research training (K99) and independent research for postdoctoral researchers from diverse backgrounds and less than 4 years of postdoctoral research experience. MOSAIC K99/R00 scholars will be part of organized scientific cohorts and will be expected to participate in mentoring, networking, and professional development activities coordinated by MOSAIC Institutionally-Focused Research Education Award to Promote Diversity (UE5) grantees. Award requires minimum of 75% full-time professional research effort.	<b>K99:</b> 2 years <b>R00:</b> 3 years	<b>K99:</b> Annual Salary, Fringe, and Research Development <b>R00:</b> Research Support



NIDCR Dentist Scientist Career Transition Award for Intramural Investigators (K22)

Two-phase award for mentored postdoctoral research training (Phase 1) and independent research support (Phase 2) for dentists working at NIH Intramural Laboratories. Award requires minimum of 75% full-time professional research effort.

**Phase 1:** 2 years  
**Phase 2:** 3 years

**Phase 1:** NIH Intramural Program supports candidate  
**Phase 2:** Research Support

## Programs for Independent Scientists

Program Name	Description	Length	Award
Ruth L. Kirschstein NRSA Individual Senior Fellowship (F33)	Mentored research training for experienced scientists, enabling them to update their skills or make changes in the direction of their research career. Typically used for sabbatical support.	Up to 2 years	Annual Stipend, Partial Tuition (if applicable), and Institutional Allowance
Independent Scientist Award (K02)	Protected research time for newly independent scientists who can demonstrate the need for a period of intensive research effort to enhance their research careers. Candidates must have a doctoral degree and concurrent NIDCR R01 support. Award requires a minimum of 75% full-time professional research effort.	Up to 5 years	Annual Salary, Fringe, and Research Development
Short-Term Mentored Career Enhancement Award in Dental, Oral, and Craniofacial Research for Mid-Career and Senior Investigators (K18)	Support to mid-career or senior investigators who will engage in mentored short-term training in the areas of behavioral and social sciences, and genetics, genomics, bioinformatics, and computational biology research.	2.5–12 months	Salary and Research Development

## Programs for Global Scientists

Program Name	Description	Length	Award
Emerging Global Leader Award (K43)	Career Development Award for junior faculty in low and middle income countries (LMIC) as defined by the World Bank. Applicants must be a citizen of the eligible LMIC and may not be a citizen or permanent resident of the United States. Applicants must have a master's or doctoral degree and currently hold an academic junior faculty or research scientist appointment at the LMIC institution. Award requires a minimum of 75% full-time professional effort.	Up to 5 years	Salary and Research Development

\* Individuals in the United States with temporary U.S. visas are eligible for award.

More information is available through the NIDCR web page:

<https://www.nidcr.nih.gov/careers-training>

For any questions, please contact NIDCR Research Training and Career Development (RTCDB) Staff at [NIDCRtraining@nidcr.nih.gov](mailto:NIDCRtraining@nidcr.nih.gov).



March 2023

