THE SELF FAMILY FOUNDATION ENDOWED CHAIR IN HUMAN GENETICS

The Self Family Foundation Endowed Chair in Human Genetics (Self Chair) is part of a dynamic interdisciplinary initiative to build strength in medical genetics, genomics, epigenetics, and computational biology across South Carolina with national and international partnerships. This position will be located in Greenwood, SC at the Center for Human Genetics (CHG), a research and education building under construction adjacent to the J.C. Self Research Institute and South Carolina Center for the Treatment of Genetic Disorders at the Greenwood Genetic Center (GGC). The GGC is a non-profit institute dedicated to providing clinical and diagnostic genetic services, educational programs, and research in the field of medical genetics.

- $4 million endowment equally funded by Self Family Foundation and State of South Carolina
- Competitive salary and substantial start-up package
- New research and education facility (anticipated building completion date- June 2016)
- Entrepreneurial program development opportunity

“THE CENTER FOR HUMAN GENETICS IS THE LOGICAL EXTENSION OF OUR CURRENT STRENGTHS IN GENETIC RESEARCH AND BUILDS ON OUR EXISTING RELATIONSHIP WITH THE GREENWOOD GENETIC CENTER. THIS IS AN EXCEPTIONAL OPPORTUNITY FOR AN ENTREPRENEURIAL INDIVIDUAL TO BUILD A PROGRAM THAT IMPACTS HUMAN GENETICS ON A NATIONAL AND INTERNATIONAL SCALE.”

-WILLIAM R MARCOTTE JR, PhD
PROFESSOR & CHAIR,
DEPT GENETICS & BIOCHEMISTRY

Artistic rendering of Clemson Center for Human Genetics
ABOUT CLEMSON UNIVERSITY:

One of the country’s most selective public research universities, Clemson University serves a uniquely driven and highly accomplished student body.

Ranked as the 21st best national public university by *U.S. News & World Report*, Clemson is a science- and engineering-oriented college dedicated to teaching, research and service. Founded in 1889, we remain committed both to world-class research and a high quality of life.

Our beautiful college campus sits on 1,400 acres in the foothills of the Blue Ridge Mountains, along the shores of Hartwell Lake. But we also have research facilities and economic development hubs throughout the state of South Carolina — in Greenville, Greenwood, Columbia and Charleston.

The research, outreach and entrepreneurial projects led by our faculty and students are driving economic development and improving quality of life in South Carolina and beyond. In fact, a recent study determined that Clemson has an annual $1.83 billion economic impact on the state.

Just as founder Thomas Green Clemson intertwined his life with the state’s economic and educational development, the Clemson Family impacts lives daily with their teaching, research and service.

Source: www.clemson.edu/about

Clemson Research

With an emphasis on research and economic development, Clemson is strongly focused on collaboration and encouraging faculty, students and economic partners to embrace and pursue bold ideas. Our teaching, research and outreach are driving development and improving the quality of life in South Carolina and beyond. In fact, Clemson’s externally funded research expenditures surpassed $100 million four of the past five years.

Dr. Leigh Anne Clark, Canine Genetics
The Department of Genetics & Biochemistry was created in 2002 and is comprised of 18 tenure-track faculty, including the Coker Endowed Chair in Molecular Genetics, approximately 30 graduate students and 10 highly qualified support staff. The department offers BS degrees in Biochemistry and in Genetics and MS and PhD degrees in Biochemistry & Molecular Biology and in Genetics. Our faculty and staff are committed to providing a superior education to our students and supporting well-funded research programs at Clemson.

Dr. Stephen Kresovich, Coker Endowed Chair in Molecular Genetics

Research Resources

- Clemson University Genomics and Computational Biology Laboratory (CU-GCL)
  - Sophisticated solutions and services to address complex problems in genomics, biodiversity, bioinformatics, computational/molecular and cell biology
- Palmetto Cluster
  - Condominium style high performance computing resource that is ranked in the top 5 among public institutions in the United States
- Clemson Light Imaging Facility (CLIF)
  - State-of-the-art light microscopy and cell sorting capabilities

Research Environment

The research environment is multi-disciplinary and highly collaborative, spans microbial, non-human animal and plant systems. Specific areas of expertise include:

- DNA repair and recombination
- Eukaryotic pathogens
- Canine genetics
- Plant developmental genetics
- Computational genomics
- Bioinformatics

For more information:
http://www.clemson.edu/genbiochem/
“The blending of research teams from both Clemson and GGC will allow our institutions to build on the strengths of one another. Self Regional’s commitment to supporting these endeavors is a vital part of understanding, and ultimately treating, disorders like autism and cancer that impact so many families.”

- Steve Skinner, Director, Greenwood Genetic Center

Clemson to Partner with Greenwood Genetic Center

Clemson University, in conjunction with the Greenwood Genetic Center, will expand existing facilities of the J.C. Self Research Institute to add a 17,000-square-foot research and education center in human genetics on nearly 15 acres donated by Greenwood County and the Greenwood Commissioners of Public Works. The site is located adjacent to the Greenwood Genetic Center within the Greenwood Research Park.

The Clemson University Center for Human Genetics will be a core campus for recruiting research and development companies engaged in human diagnostics, cognitive development, central nervous system, autism, birth defects, cancer and inflammatory diseases. The collaborative will seek new discoveries in genetic diagnostics and epigenetic therapeutics.

The project will expand Clemson University’s existing doctoral program in genetics, create an internationally competitive research and development team and expand research capabilities at the Self Institute. The Greenwood Genetic Center will open its campus to Clemson scientists, whose teams will research diagnostics and therapeutics that have the potential to provide immediate diagnosis of a variety of diseases.

Additionally, the Genetic Center and Clemson will evaluate research to create novel diagnostics that may be used to predict the efficacy of therapeutics for targeted diseases and provide early diagnostic tests. The research has the potential to identify better treatments for chronic disorders, such as diabetes, cancer and cardiovascular disease — known for high prevalence in South Carolina.

Photo courtesy of Clemson University
Greenwood Genetic Center

GGC, founded in 1974, is a nonprofit organization advancing the field of medical genetics and caring for families impacted by genetic disease and birth defects. At its home campus in Greenwood, South Carolina, a talented team of physicians and scientists provides clinical genetic services, diagnostic laboratory testing, educational programs and resources, and research in the field of medical genetics. GGC’s faculty and staff are committed to the goal of developing preventive and curative therapies for the individuals and families they serve.

Genetic knowledge is advancing at a rapid pace. The research faculty of the Greenwood Genetic Center’s JC Self Research Institute of Human Genetics is proud to be at the forefront of genetic discovery and breakthroughs. Our researchers collaborate with our clinicians and laboratory faculty to achieve significant advances in identifying causative genes and mutations, as well as understanding the mechanisms, causes and preventions of intellectual disabilities and birth defects.

The JC Self Research Institute, a division of Greenwood Genetic Center, is a state and national resource for scientists. Whether mapping part of the vast unknown areas of the human genome, studying the effects of a single gene gone awry, or putting into practice a strategy for families to avoid hereditary disease, scientists at the Institute work to bring the next generation closer to the goal of having all babies born healthy and free of physical and intellectual disabilities.

“Over the years we have seen Clemson transform into one of the nation’s leading research universities and are excited about the economic impact our ties with the university and this investment could have on Greenwood and South Carolina.”

-Virginia Preston Self, Self Family Foundation Chair

For more information: http://www.ggc.org/
GREENWOOD, SOUTH CAROLINA

Beautiful Greenwood is located in the Lower Piedmont region of Upstate South Carolina, and provides a friendly, small-town setting along with the progressive and active environment of a larger city. Greenwood is home to numerous community assets including Lake Greenwood, Lander University, Piedmont Technical College, Self Regional Healthcare, Uptown Greenwood, excellent schools, churches, cultural opportunities, and much more.

The area is accessible to three major interstates and only hours away from both the mountains and the coast.

For more information: www.visitgreenwoodsc.com
http://www.greenwoodsc.gov/countywebsite/

ATTRACTIONS
- Award winning, SC Festival of Flowers
- Award winning, SC Festival of Discovery
- Lake Greenwood
- Revolutionary War Battlefield, Ninety Six
- Greenwood Main Street and Uptown area
- Clemson Extension
- Greenwood Main Street and Uptown area
- Greenwood Chamber of Commerce

POPULATION INFORMATION
The population of Greenwood is 22,400 residents. The population of Greenwood County is 68,000 residents. Greenwood is the economic center of the Upper Savannah Region. This region includes Greenwood, Laurens, McCormick, Abbeville, Edgefield and Saluda counties with a population at 219,000 residents.

LOCAL SCHOOLS
Greenwood is divided into three school districts. For more information about public schools in the Greenwood area: http://ed.sc.gov/schools/

Greenwood is near the historic Lander University as well as Piedmont Technical College.

DID YOU KNOW?
Greenwood is home to companies such as Ascend Performance Materials, Velux, Fuji Photo Film, Capsugel a division of Pfizer, Carolina Pride, and Colgate-Palmolive, the Genetic Center, and the South Carolina Biotechnology Incubation Program.
2020Forward Plan

The ultimate vision of Clemson’s 2020 Road Map was achieved in October 2014, when *U.S. News & World Report* ranked Clemson a Top 20 Public University as part of its annual guide to “America’s Best Colleges.” This is an especially impressive achievement in light of precipitous declines in state funding the past several years. Clemson reached this goal through its dynamic leadership, excellent faculty and staff, a strong central focus on undergraduate learning, and an internal “divest to invest” strategy that prioritized undergraduate learning and made small but highly strategic investments in attracting, retaining and rewarding talent. However, the limited availability of resources allowed for only modest investments in research, graduate studies and outreach.

President Clements has charged the institution to refocus the priorities within the 2020 Road Map, and as a reflection of this shift, the planning process will be called 2020Forward

2020 Road Map Overview

**Goal:** To fulfill Clemson’s responsibility to students and the state of South Carolina

- to provide talent for the new economy by recruiting and retaining outstanding students and faculty and providing an exceptional educational experience grounded in engagement;
- to drive innovation, through research and service, that stimulates economic growth and solves problems;
- to serve the public good by focusing on emphasis areas that address some of the great challenges of the 21st century — national priorities such as health, energy, transportation and sustainable environment.

Clemson Benefits and Additional Resources:

- Relocation Reimbursement Assistance
- Employee Assistance Program
- Tuition Assistance Program
- Spousal Partner Career Assistance Program
- Health and Wellness Opportunities
- Work/Life Balance
- Adoption Assistance Program
- Employee Discount Program
- Newly approved, on-campus childcare assistance
- Benefits include Health, Dental, Vision, Life insurance, Long-term disability, as well as Leave benefits and Retirement options

⇒ For more information: http://www.clemson.edu/employment/benefits/

3rd  Ranking of top universities to work for that Forbes and Glassdoor gave Clemson for 2015

Clemson created more than $1.8 billion in economic impact in 2010.

37th  Ranking Clemson’s genetics graduate program received in the most recent National Research Council Assessment of Doctoral Programs.

The University offers an overall 17-to-1 faculty/student ratio, and nearly half of Clemson’s classes have fewer than 20 students.

Eleven Clemson seniors and graduate students won the prestigious National Science Foundation Graduate Research Fellowship in 2012.

Externally funded research expenditures surpassed $100 million in 2010-11 and 2011-12.

Dear Prospective Clemson Tiger:

It is an exciting time to be at Clemson University — one of the Top 25 public universities in the country. The $1 Billion Will to Lead capital campaign is heading into the homestretch after a record year for giving. Applications for admission and the quality of the student body are at an all-time high. A major campus development initiative will add millions of square feet and position the university for the next 50 years. And, we are nearing the completion of the roadmap for our next strategic plan — 2020Forward.

These are all signs that the Clemson Family is stronger than ever. But as a father, I have learned that it takes a dedicated effort to nurture a family and help it grow. As an institution, we nurture the Clemson Family through our commitment to certain overarching priorities — academic quality and innovation, individual student success, public service and economic outreach, and our core values of integrity, honesty and respect.

Clemson University has accomplished amazing things in the past, and I believe the future is even brighter. The experience of being a part of the Clemson Family is unmatched, and I look forward to sharing it with all of you for years to come.

Joe Sherman, Class of 1934, captured the essence of Clemson when he wrote, “There’s something in these hills where the Blue Ridge yawns its greatness.” I can assure you that whatever that “something” is — it will stay with you and at this great University forever.

Sincerely,
James P. “Jim” Clements, Ph.D.
More information:

- Individuals with an internationally recognized research program in human genetics or related discipline and a strong history of external funding are invited to apply.

- Candidates must possess an excellent record of peer-reviewed publications and both teaching and mentoring experience.

- The Self Chair is expected to maintain a vigorously funded research program and lead the human genetics initiative through recruitment of new faculty hires to be housed at the CHG.

- Candidates must be eligible for appointment as Full Professor with tenure in the Department of Genetics & Biochemistry at Clemson University.

How to Apply

To apply, submit a cover letter, curriculum vitae, short statement of research interests and future directions, and a list of references in one PDF file emailed directly to SelfEndowedChair@Clemson.edu with Self Endowed Chair in the subject heading. To ensure full consideration, please submit all application materials by November 16, 2015. Review of applications will begin in November 2015 and continue until the position is filled. The starting date for this position is negotiable.

Clemson University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veteran’s status, genetic information or protected activity (e.g., opposition to prohibited discrimination or participation in any complaint process, etc.) in employment, educational programs and activities, admissions and financial aid. This includes a prohibition against sexual harassment and sexual violence as mandated by Title IX of the Education Amendments of 1972.