

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel in the order listed for Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
Carlos F. Salinas	Professor and Director

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EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR YEAR(S)	FIELD OF STUDY
Universidad de Chile	B.A.	1958	Biology
Universidad de Chile	D.D.S.	1963	Dentistry
The Johns Hopkins University School of Medicine	Fellow	1972-1974	Genetics
Medical University of South Carolina	D.M.D.	1985	Dentistry

**A) Professional Experience:**

- 1964 - 1972 Universidad de Chile, Facultad de Ciencias, Valparaiso: Associate Professor, Section of Genetics Acting Chairman 1972; Instructor of Pediatric Dentistry, 1964 and Instructor of Periodontics 1965 school of Dentistry
- 1972 - 1974 The Johns Hopkins, School of Medicine, Baltimore. Post Doctoral Fellow in Medical Genetics with Dr. Victor McKusick
- 1974 - Present Medical University of South Carolina, College of Dental Medicine, Charleston SC: 1974 Visiting Instructor, 1976 Visiting Assistant Professor, 1978 Assistant Professor; 1979 Associate Professor; 1983 Associate Professor with Tenure; 1994 Professor
- 1978 - Present Assistant Professor of Pediatrics, College of Medicine
- 1978 - Present Director of the Division of Craniofacial Genetics, Department of Pediatric Dentistry and Orthodontics, College of Dental Medicine
- 1995 - Present Director of the MUSC Craniofacial Anomalies and Cleft Lip and Palate Team

**Honors and Awards:**

- 1972 - 1974 Public Health Service International research Fellow, NIH-John E. Fogarty International Center
- 1984 & 1992 President Society of Craniofacial Genetics
- 1994 - 1996 President Iberoamerican Society of Human Genetics
- 1997 - 1998 Vice President Hispanoamerican Biomedical Association

**B) Publications: (Selected)**

- Levin LS, Jorgenson RJ, **Salinas CF**. Oral findings in the Morquio syndrome: (Mucopolysaccharidosis IV). *Oral Surg Oral Med Oral Path* 39(3): 390-95, 1975.
- Jorgenson RJ, Levin LS, Hutcherson SJ and **Salinas CF**. Periodontosis in sibs. *Oral Surg Oral Med Oral Path* 39(3): 396-402, 1975.
- Temtamy SA, Miller JD, Dorst JP, Maumenee IH, **Salinas CF**. Lacassie I and Kenyon KR: The Coffin-Lowry Syndrome: A simply inherited triad comprising mental retardation, facioidigital anomalies and skeletal involvement. *BD: OAS* 11(6): 133-52, 1975.
- Campusano C, Figueroa H, Lazo B, Pinto-Cisternas J, **Salinas CF**. Genetic structure of the population of Valparaiso: IV. Malocclusion and its relationship to genes and social factors. *Genética Ibérica* 29: 41-49, 1977.
- Levin LS, **Salinas CF**, and Jorgenson RJ. Classification of osteogenesis imperfecta by dental characteristics. *Lancet* 2: 332-33, 1978.
- Salinas CF**, Bartoshesky L, Otherson HB, Leape L, Feingold M, Jorgenson RJ. Familial occurrence of gastroschisis: 4 new cases and review of the literature. *Am J Dis Child* 133: 514-17, 1979.
- Jorgenson RJ, **Salinas CF**. Patient services in oral-facial genetics. Diagnosis or treatment? In: Kopel H. (ed) *The Teaching of Human Genetics in Dental Education*. Los Angeles: USC Press, pp. 47-51, 1979.
- Salinas CF**, Jorgenson RJ, Lorenzo RL. Variable expression in Otopalatodigital syndrome: Cleft palate in female. *BD: OAS* 15(5B): 329-46, 1979.
- Salinas CF**. General concepts of hypodontia and its relation with clinical genetics. (Spanish) In: Salinas, CF (ed).

- *Genetica Craneofacial*. Washington: Pan American Health Organization World Health Organization pp. 85-102, 1979.
- Salinas CF**, Spector M. Tricho-dental Syndrome. In: Brown AC and Crouse RG (eds) *Hair Trace Elements, and Human Illness*. New York: Praeger pp. 240-56, 1980.
- Salinas CF**. Congenital and developmental anomalies of the oral cavity. In: English GM (ed). *Loose Leaf Otolaryngology Series*. Philadelphia: Harper and Row Publishers, Inc. Vol 3, Chapter 14. pp. 1-30, 1980.
- Bixler D, Boggs W, Jorgenson RJ, **Salinas CF**, Sanger RG, Raichman LB. Role of genetics in the practice of dentistry. *BD: OAS XVI(5): 7-12, 1980.*
- Salinas CF**. An approach to an objective evaluation of the craniofacies. *BD: OAS XVI (5): 47-74, 1980.*
- Sanger RG, Taichman LB, Bixler D, Boggs W, Jorgenson RJ, **Salinas CF**. Misconceptions about dental treatment for patients with genetic diseases. *BD: OAS XVI (5): 129-37, 1980.*
- Salinas CF**. Congenital and development anomalies of the oral cavity. In: Clark, JW (ed). *Clinical Dentistry*. Philadelphia: Harper and Row Publishers, Inc. Vol. 1, Chapter 14, 1981.
- Jorgenson RJ, Shapiro SD, **Salinas CF**, Levin LS. Intraoral findings anomalies in neonates. *Pediatrics* 69(5): 577-82, 1982.
- Salinas CF**. Orofacial findings and genetic disorders. *BD: OAS 18 (1): 79-120, 1982.*
- Salinas CF**, Stevenson RE, Young SR, Mende R. "Genetic Diseases in South Carolina: Needs, Assessment and Review of Available Services". Report submitted to the South Carolina Senate Medical Affairs Committee. Charleston: Medical University of South Carolina Press, 1982.
- Jorgenson RJ, **Salinas CF**, Sujanski E, Beierle LE. Heterogeneity in the Trichorhinophalangeal syndrome. *BD: OAS 19(1): 167-179, 1983.*
- Salinas CF**, Montes GM. Rapp Hodgkin Syndrome: Observations on ten cases and characteristic hair changes (Pili canaliculi). *BD: OAS 24(2): 149-68, 1988.*
- Salinas CF**, Pai GS, Vera CL, Mulutinovic J, Hagerty R, Cooper JD, Cagna DR. Variability of expression of the Orofacio-digital syndrome type-1 in black females: six cases. *Am J Med Genetics* 38(4): 574-82, 1991.
- Salinas CF**. "Syndromes associated with cleft lip and palate malformation". In: Hudson JW. (ed). Management of Cleft Lip and Palate. *Oral and Maxillofacial Surgery Clinics of North America* 3(3): 473-80, 1991.
- Salinas CF**, Sahn EE, Richards MA, Hutchins HS Jr. Congenitally Missing teeth and severe hyperhidrosis: Böök Syndrome or a new ectodermal dysplasia syndrome. *J Dysmorphology and Clinical Genetics* 6(2): 59-63, 1992.
- Brooks CA, Brooks KA, **Salinas CF**, Bradley, Tepper M. Oral Manifestations of Genetics Syndromes of Mental Retardation. *Southern Association of Institutional Dentists*, 1993.
- Sahn EE, **Salinas CF**, Sens MA, Key J, Swiger FK, Holbrook KA. Infantile Systemic Hyalinosis in a black infant. *Pediatric Dermatology* 11(1): 52-60, 1994.
- Buebal MS, **Salinas CF**, Pai GS, Macpherson RI, Greer MK, Perez Comas A. A Seckel-like new syndrome of primordial dwarfism. *Am J Med Genet* 64: 447-52, 1996.
- Salinas CF**, Cantú ES. Variability of phenotypic expression in familial cases of CATCH 22. *Am J Hum Genetics* 59(4): A103, 1996.
- Vera CI, Cure JK, Naso WB, Gelven PL, Worsham F, Roof BF, Resnick D, **Salinas CF**, Gross JA, Pacult A. Paraplegia due to Ossification of Ligamenta Flava in X-linked Hypophosphatemia. A case report *SPINE* 22(6): 770-715, 1997.
- Salinas CF**. Congenital and Developmental Anomalies. In: Clark, JW (ed) *Clinical Dentistry*. St. Louis, Mosby. Vol I, Chapter 14A, 1998.
- Gutierrez MB, Apraricio JM, Barrientos MP, Senties JLP, **Salinas CF**. A report of recessive inheritance in 14 cases with Cockayne syndrome in 3 families from an endemic Mexican state, where genetic factors (consanguinity) contribute for the development of the disease. *Am J Hum Genetics* 69(4): 1207, 2001.
- Burgoyne CC, **Salinas CF**, Andria LM. Cephalometric analysis of Pierre Robin sequence (meeting abstract). *J Dent Res* 81(NSI): 902, 2002.
- Salinas CF**. Genetic syndromes of the head and neck associated with cancer: what else to look for in the presence of positive orofacial findings. *Compend Contin Educ Dent* 23(12-Suppl): 30, 2002.
- Aparicio JM, Gil CO, Barrientos MP, San Martin WB., Mendez MVC, Landini EM, Cao JAR, Enciso MAJ, Huitzil E M, **Salinas CF**. Inheritance and osseous damage between osteogenesis imperfecta type III and osteopetrosis in 2 Mexican families. *Am J Hum Genet* 73(5): 528, 2003.
- Gil CN, Aparicio JM, Barrientos MP, San Martin WB, Mendez MVC, Hurtado LH, Balbuena ER, Gonzalez LA, Tenorio RT, **Salinas CF**. Phenotypical genetic variability of ectodermic dysplasia in a pediatric hospital - study of 5 different Mexican families. *Am J Hum Genet* 73(5): 813, 2003.

**Books:**

- Salinas CF** (ed): *Genetica Craniofacial* (Spanish text). Washington: PAHO/WHO, Scientific Publication N° 378, 1979.
- Salinas CF**, Jorgenson RJ (eds): "Dentistry in the Interdisciplinary Treatment of Genetic Diseases" *BD: OAS 16(5)*. New York: Alan R. Liss, Inc. for the MDBDF, 1980.
- Salinas CF** (ed): "Craniofacial Anomalies New Perspectives" *BD: OAS 18(1)*. New York: Alan R. Liss, Inc. for the

MDBDF, 1982.

Brown KS, **Salinas CF** (eds): "Craniofacial and Mesenchyme in Morphogenesis and Malformation" BD: OAS 20 (3). New York: Alan R. Liss, Inc. for the MDBDF, 1984.

**Salinas CF**, Opitz JM (eds): "Recent Advances in Ectodermal Dysplasias". BD: OAS 24(2) New York: Alan R. Liss, Inc. for the MDBDF, 1988.

**C) Research Support: (Ongoing or completed last three years)**

**SALINAS, C.F.**

**Ongoing:**

4817-SP Salinas CF (PI) 08/01/02-07/01/05

Duke Endowment

Dental Program for the Diagnosis and Treatment of Children with Special Health Care Needs

The major goals of this project are to reduce oral health disparities and improve quality of life for individuals with special health care needs, particularly those of low income and minorities, maximizing the resources in a unique program that will address the issue through Service, Education, Research and Outreach activities.

The main objectives are provide a state wide referral service resource, provide educational programs for the dental students, residents and practicing dentists and allied dental health professionals; empower patient's parents, and develop outreach activities in schools, parent groups, Special Olympics and community events.

Role on Project: Principal Investigator

5 P20 RR17696-02 London (PrgDir) Salinas CF (PI-Core) 09/30/02-07/31/07

NIH/NCRR

South Carolina COBRE for Oral Health: Core - Clinical Resources

The major goals of the SC COBRE for Oral Health are; 1) Mentor an initial cadre of five targeted investigators to develop successful, independent, NIH- funded research careers in oral health science. 2) Enhance the oral health research infrastructure. COBRE funds will permit significant development of critical resources (cores) in the development of a research infrastructure supportive of multidisciplinary oral health research at MUSC's academic health science center. 3) Recruit two additional new faculty members whose experience and disciplinary expertise will complement those of the COBRE investigators in areas deemed critical by the Steering and the External Advisory Committees. 4) Sustain the infrastructure of the South Carolina COBRE for Oral Health beyond the initial 5- year award.

Role on Project: Principal Investigator of Clinical Resources Core

5 T35 DE07337-04 London, S (PI)

03/01/01-02/28/06

NIH/NIDCR

College of Dental Medicine Summer Research Program

The major goals of this project are to introduce dental students to basic and clinical research. Main areas offered by Dr Salinas include topics in Craniofacial Genetics, Special Health Care Needs, Special Olympics Special Smiles Dental Program.

Role on Project: Mentor

CR-1-670 Salinas CF (PI)

04/15/00-04/14/05

SC DHEC

Craniofacial Anomalies and Cleft Lip and Palate Team

The major goals of this project are to provide a clinical facility and support for evaluations and clinical follow-ups for patients affected with craniofacial anomalies and cleft lip and palate.

Because of the nature of Craniofacial anomalies the clinic is a unique teaching resource as well as resource for clinical

and basic research.

Role on Project: Principal Investigator

SC DHEC HS 03-128 Salinas CF  
More Smiling Faces in Beautiful Places

The major goal of this project is to develop and implement a Continuing Education Course on "Pediatric Dentistry for the General Dentist". The target population is the dental teams of 6 counties in South Carolina in which there is no Pediatric Dentist and there is a great need of dental services for children.. This project is part of a state wide project funded by a grant from the Robert Wood Johnson Foundation. R. Lala ( PI)

Role on the project: Principal Investigator for MUSC.

### **Completed**

R13 DE14337-01 Salinas CF (PI)

07/01/01-08/31/03

NIH/NIDRC

Oral Health Disparities in the Hispanic Community: The Challenge and Framework for Action

### **Completed (Cont)**

The major goals of this project are to promote and increase awareness of Oral Health Disparities in the Hispanic population. This is a conference grant. Dr. Salinas was chairman of the Scientific Committee of the Hispanic Dental Association Annual Meeting 2001, Philadelphia. and organize with the Committee the contents of the conference.. In addition he was the editor of the Conference proceedings.

Role on Project: Principal Investigator

112-21-0010 Salinas CF (PI)

07/01/00-06/30/02

SC Developmental Disabilities Council

Dental Program for the Diagnosis and Treatment of the Special Patients

The major goal of this project is to reduce oral health disparities and improve quality of life. of children with special health care needs, The objectives of the project are to provide diagnosis and treatment care for children with special health care needs in South Carolina.

Role on Project: Principal Investigator

SG 2001-76 Salinas CF(PI)

05/01/01-06/30/02

SC DHHS

SC Special Olympics Special Smiles Dental Health Program

The major goals of this project is to develop awareness about oral health needs in among the athletes with mental retardation. The project is developed in conjunction with South Carolina Special Olympics. and the Special Smiles Dental Health Program

Role on Project: Principal Investigator

SCHHS Award Salinas (PI)  
SC Health And Human Services  
Dental Diagnosis and Treatment of the Special Patient

12/01/01-12/31/02

The major goals of this project are to reduce oral health disparities and improve quality of life for individuals with special health care needs. This demonstration project maximizes the resources in a program that include Service, Education ,Research and Outreach activities.

Role on Project: Principal Investigator