



Pablo Cid qualified MD in 1982 at the Universidad de Chile, Santiago, and worked for several years as an intern in rural Lautaro, near Temuco, IX Region of Chile. In 1988, he rejoined the Facultad de Medicina of the Universidad de Chile, for training in pathophysiology, obtaining his Masters in Biomedical Sciences. Paul traveled to Baltimore, USA. UU. in 1991 to pursue molecular biology studies of chloride channels. For four years he worked with William Guggino, in the Department of Physiology and Biophysics and Garry Cutting, in the Center for Medical Genetics, John Hopkins University, where he investigated the possible role of ClC-2 in epithelia affected by cystic fibrosis. In 1995, he returned to the Department of Pathophysiology, Universidad de Chile, to continue their research studies and contribute to the teaching of medical students. In collaboration with Francisco Sepúlveda, has been studying the role of chloride channels ClC family in intestinal epithelium, the transepithelial transport and regulation of cell volume. Recently partnered with German geneticists to investigate the effect of mutations in the gene CLCN2 in neurological disorders. He joined the CECs in 2000 as part of the new Laboratory of Molecular Biophysics and Physiology, formed when the Center changed its headquarters from Santiago to Valdivia.

SELECTED PUBLICATIONS Cloning, cellular distribution and functional expression of small intestinal epithelium guinea-pig ClC-5 chloride channel. *BBA Biomembranes*, 1512(2):367-374. Cornejo I., Niemeyer, M. I., Sepúlveda, F. V. and Cid, L. P. (2001). Splice variants of a ClC-2 chloride channel with differing functional characteristics. *Am. J. Physiol. Cell Physiol.*, 279:C1198-C1210. Cid, L. P., Niemeyer, M. I., Ramírez, A. and Sepúlveda, F. V. (2000). Analysis of ClC-2 channels as an alternative pathway for chloride conduction in cystic fibrosis airway cells. *Proc. Natl. Acad. Sci. U.S.A.*, 95:3879-3884. Schwiebert, E. M., Cid, L. P., Stafford, D., Carter, M., Blaisdell, C. J., Zeitlin, P. L., Guggino, W. B., and Cutting, G. R. (1998). Modulation by extracellular chloride of volume-activated organic osmolyte and halide permeability pathways in HeLa cells. *American Journal of Physiology*, 273:C999-C1007. Stutzin, A., Eguiguren, A. L., Cid, L. P., Sepúlveda, F. V. (1997). Cloning of a putative human voltage-gated chloride channel (ClC-2) cDNA widely expressed in human tissues. *Hum. Mol. Genet.*, 4:407-413. Cid L. P., Montrose-Rafizadeh C., Smith D. I., Guggino W. B. and Cutting G. R. (1995).

CONTACT

Telephone : +56-63-234503

Fax : +56-63-234517

E-mail :
lc.scec@dicp