BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
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NAME	POSITION TITLE
German Larriba	Full Professor of Microbiology
eRA COMMONS USER NAME	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Depto of Biomedical Sciences, Microbiology Area	PhD	1971-75	Microbiology

Please refer to the application instructions in order to complete sections A, B, and C of the Biographical Sketch.

A. Professional Experience

1975-1977.1 Postdoctoral Fellow, Program of Cultural Exchange between USA and Spain. Virology. Baylor College of Medicine, Texas Medical Center, Houston, Tx
1977 (four months) Research Associated Idem
1977-1980 Assistant Professor Depto Microbiologia, Universidad de Salamanca
1981 Associated Professor Univ. del Pais Vasco
1991-92 Research Associated Georgetown University
1981-present Full Professor Univ. Extremadura

Other activities and professional membership

1985-present Supervisor of Radioactive Facilities
1981-2004 Chairman of the Department of Microbiology of the University of Extremadura
1983,84,89,90 President of the Admission Committee to the University of Extremadura
1978-present Member o f ASM
1973-present member of the Spanish Society for Microbiology
1985-present Member of the Editorial board of the Journal International Microbiology

Honors

1976. Extraordinary award for PhD Thesis. Univerity of Salamanca (1976)
1976 Extraordinary award. Patronato of the University of Salamanca (1976)
1991-1998 President of the Mycology group of the Spanish Society for Microbiology
1994-95 Member of the National Commission to Evaluate Spanish Research (Mol Cell Biol)

B. Selected peer-review publications (in chronological order)
Selected from 70 publications (*C. albicans* and Yeast genetics)

ANDALUZ E, GUILLEN A y LARRIBA G (1986) PRELIMINARY EVIDENCE OF A GLUCAN ACCEPTOR IN Candida albicans. Biochem. J. 240: 495-502

LUNA-ARIAS, JP, ANDALUZ, E., RIDRUEJO, JC, OLIVERO, I Y LARRIBA, G. (1991) THE MAJOR YEAST EXOGLUCANASE FROM *Candida albicans*: A NON GLYCOSYLATED MONOMER RELATED TO ITS COUNTERPART FROM Saccharomyces cerevisiae. ***Yeast*** 7: 833-841

ANDALUZ E, RIDRUEJO JC, RAMIREZ M, RUIZ-HERRERA J, LARRIBA G (1988) INITIATION OF GLUCAN SÍNTESIS IN YEAST. ***FEMS Lett*** 49: 251- 255

RIDRUEJO JC, MUÑOZ MD, ANDALUZ E y LARRIBA G (1989) INHIBITION OFYEAST EXOGLUCANASES BY GLUCOSIDASE INHIBITORS. *Biochim. Biophys. Acta* 993: 179- 185

ANDALUZ, E., LARRIBA, G. Y CALDERONE, R. (1996) A DNA LIGASE-ENCODING GENE FROM *Candida albicans*. ***Yeast*** 12: 893-898

ANDALUZ, E., CALDERONE, R Y LARRIBA, G. (1999) .CELL CYCLE REGULATION OF A DNA LIGASE-ENCODING GENE (CaLIG4) FROM Candida albicans. ***Yeast*** 15: 1119-1210

LILLO, J.A.G., ANDALUZ, E., COTANO, C., BASCO, R., CUEVA., R., CORREA, J. AND LARRIBA, G. (2000) DISRUPTION AND PHENOTYPIC ANALYSIS OF SIX GENES FROM LEFT ARM OF THE *Saccharomyces cerevisiae* CHROMOSOME VII. ***Yeast*** 16: 365- 375

LARRIBA G, COQUE JJR, CIUDAD A, ANDALUZ, E (2000) Candida albicans MOLECULAR BIOLOGY REACHES ITS MATURITY. ***Internat. Microbiol.*** 3:247-252

ANDALUZ, E., CALDERONE, R., REYES, G., LARRIBA, G. (2001) PHENOTYPIC ANALYSIS AND VIRULENCE OF *Candida albicans* LIG4 MUTANTS. ***Infection &. Immunity*** 69:137-147

ANDALUZ, E., RUBIO COQUE, J.J., CUEVA, R. Y LARRIBA, G. (2001) SEQUENCING OF A REGION OF CHROMOSOME 2 OF Candida albicans REVEALS THE PRESENCE OF HOMOLOGUES OF Saccharomyces cerevisiae SHE9 AND BACTERIAL PHOSPHATIDYLINOSITOL PHOSPHOLIPASES C. ***Yeast*** 18: 711-721

ANDALUZ, E, CIUDAD, T,. Y LARRIBA, G (2002). AN EVALUATION OF THE ROLE OF *LIG4* IN GENOMIC INSTABILITY AND ADAPTIVE MUTAGENESIS IN *Candida albicans*. ***FEMS Yeast Research.*** 2: 341-352

CONDE, R, PABLO, G. CUEVA R., LARRIBA G. (2003) SCREENING FOR NEW YEAST MUTANTS AFFECTED IN MANNOSYLPHOSPHORYLATION OF CELL WALL MANNOPROTEINS. ***Yeast*** 20: 1189-1211.

LARRIBA, G. (2004). GENOMIC INSTABILITY, RECOMBINATION AND ADAPTATION IN Candida albicans. In: Pathogenic fungi: Host Interactions and Emerging Strategies for Control 2. Horizon Press. pp 285- 331. UK

CIUDAD T, ANDALUZ E, STEINBERG-NEIFACH O, LUE NF, GOW NAR, CALDERONE RA, LARRIBA G. (2004) HOMOLOGOUS RECOMBINATION IN *Candida albicans*: ROLE OF CaRad52p IN DNA REPAIR, INTEGRATION OF LINEAR DNA FRAGMENTS AND TELOMERE LENGTH. ***Molecular Microbiology*** 53: 1177-1194.

CONDE, R., CUEVA, R., PABLO, G., POLAINA, J., LARRIBA, G. (2004). A SEARCH FOR GLYCOSYLATION SIGNALS IN YEAST GLYCOPROTEINS. ***J. Biol. Chem.*** 279: 43789-43798.

NEERAJ CHAUHAN, TONI CIUDAD, ANE RODRIGUEZ ALEJANDRE, GERMAN LARRIBA, RICHARD CALDERONE, ENCARNA ANDALUZ (2005) VIRULENCE AND KARYOTYPE ANALYSIS OF *RAD52* MUTANTS OF *Candida albicans*: REGENERATION OF A TRUNCATED CHROMOSOME OF A REVERTANT STRAIN (*RAD52/RAD52*) IN THE HOST. ***Infection & Immunity*** 73: 8069-8078

ANDALUZ, E., CIUDAD, T., GÓMEZ-RAJA, J., CALDERONE, R., LARRIBA, G., 2006. RAD52 DEPLETION IN *Candida albicans* TRIGGERS BOTH THE DNA-DAMAGE CHECKPOINT AND FILAMENTATION ACCOMPANIED BUT INDEPENDENT OF EXPRESSION OF HYPHA SPECIFIC GENES. ***Mol. Microbiology*** 59: 1452-1472

ANDALUZ E, GOMEZ-RAJA J, HERMOSA B, CIUDAD T, RUSTCHENKO E, CALDERONE R, LARRIBA G. (2007) LOSS AND FRAGMENTATION OF CHROMOSOME 5 ARE MAJOR EVENTS LINKED TO THE ADAPTATION OF RAD52-DELTADELTA STRAINS OF *Candida albicans* TO SORBOSE. ***Fungal Genet Biol***. 44, 789-798

LARRIBA, G., CALDERONE, R. (2008) HETEROZYGOSITY AND LOSS OF HETEROZYGOSITY IN *Candida albicans*. In **Pathogenic Fungi: Insights in Molecular Biology. San Blas and Calderone Eds.** Horizon Press. Caister. UK

AHMAD A, KABIR MA, KRAVETS A, ANDALUZ E, LARRIBA G, RUSTCHENKO E. (2008) CHROMOSOME INSTABILITY AND UNUSUAL FEATURES OF SOME WIDELY USED STRAINS OF *Candida albicans*. ***Yeast*** 25:433-48.

C. Research support (recent)

As PI

1. Functional analysis of orphan genes from Saccharomyces cerevisiae. EUROFAN (BIO4-CT95-0080) European Union. 18,000 ECUS Associated grant from CICYT BIO96-1979-CE
2. EUROFAN II. Secretion Node (BIO-CT97-2294) European Union 46,000 ECUS (1988-99)
3. Analysis of a process that leads to partial haploidization by loss of chromosomes in *Candida albicans*. FEDER 100,000 Euros (one year)
4. Identification of the translocation pathway and folding of yeast exoglucanase and functional analysis of new genes involved in phosphorylation of oligosaccharides. 60,000 euros (2001-2003)
5. Inestabilidad genética en *Candida albicans*: búsqueda de genes implicados en la generación/pérdida de heterozigosidad y longitud de los telómeros, y efecto de su deleción en la biología y virulencia- CICYT Biomedicina. (2007-2010). 295,000 Euros

As co-PI

1. DNA repair and morphogenesis in *C. albicans*. NIH. $500.000 (2003-2006)

As a researcher:

1. A search for meiosis genes in Candida albicans. National Institute of Health of Spain FIS 96/1646 33000 Euros (1966-99)