

CURRICULUM VITAE: dr. Roberto Defez

Roberto Defez
Rome Oct.26, 1956
Italian
Married, two children

Scientific Activity

Degree in Biology in microbiology Uni. Naples, 1980
Dec 1979-March 1980 EEC fellowship at INRA Versailles, France
1981-1984 fellowships at Institute Pasteur Paris, France working on NGF
1987 permanent staff at CNR

Referee

Molec. Microb., J.Mol. Biol, Microb, FEMS Microb. Lett, Res Microb, Chemos., Trans. Res., Euroconference, USDA

Grants

EU FW-IV BI04-CT97-2319, 1997-2000, contractor
EU FW-IV INCO-DC CT980313, 1997-2002, contractor
EU FW-V INCO-DC ICA4-2000-10355, 2002-2007, coordinator
FIRB Post-genomica di Leguminose Foraggiere, 2002-2005, contractor
Trasporti Agroalimentari del CNR. 2009-2010, contractor

Publications

- 1- Defez & De Felice 1981 *Genetics* 87: 14
- 2- Defez & De Felice 1982 *Ann Microbiol* 133:347-5
- 3- Defez & Brachet 1986 *Int. J. Dev. Neuros.* 4: 161-168
- 4- Colonna et. al. 1987 *NAR* 15: 1951-1964
- 5- Rossi et al. 1989 *J. Gen. Microbiol.* 135: 629-637
- 6- Moreno et al. 1992 *Res. Microbiol.* 143: 161-171
- 7- Manco et al. 1992 *J. Gen Microbiol.,* 138: 1453-1460
- 8- Chiurazzi, et al. 1992 *Gene* 119: 1-8
- 9- Patriarca et al. 1992 *MGG* 234: 337-345
- 10- Baev et al. 1992 *FEMS Microb. Lett.* 97: 205-208
- 11- Patriarca et al. Defez,1993 *Mol. Microb.* 9, 569-577
- 12- Colonna et al. Defez,1993 *FEBS Lett.,* 330, 1, 95-98
- 13- Amar et al. 1994 *Mol. Microb.* 11: 685-693
- 14- Taté et al. 1994 *Mol. Plant-Micr. Int.* 7: 582-589
- 15- Patriarca et al. 1994 *FEBS Lett.* 354: 89-92
- 16- Martino et al. 1996 *FEBS Lett.* 388: 53-58
- 17- Patriarca et al. *Mol. Plant-Mic. Int.,* 9: 243-251 1996
- 18- Luka et al. Defez, 1996. *J. Bact.* 178: 7138-7143
- 19- Alfano and Defez BNF for the 21st century 1997: 217-218
- 20- Fedorova et al. Defez 1998 *J.Sub. Cytol. Pathol.* vol.1
- 21- Pandolfini et al. 2000 *Mol. Microb.,* 35: 1326-1334
- 22- Schluster et al. 2000 *Microbiol.* 146, 2987-2996
- 23- Priefer et al. 2001 *J. Biotech.* 91:223-236
- 24- Pandolfini et al. 2002 *BMC Biotech.* 2:1

- 25- Moschetti et al. Defez. 2005 *Syst. Appl. Microb* 28: 619-631
- 26- Bianco et al. Defez. 2006 *Arch. of Microb.* 185: 373 – 38
- 27- Bianco et al. Defez. 2006 *Microb.*152: 2421-2431
- 28- Camerini et al. Defez 2008 *Arch. of Microb.* 190:67-77
- 29- Lantin et al. 2008 *Curr. Plant Sci. Biotech.*42: 65-66
- 30- Imperlini et al. Defez. *Appl. Microb. And Biotech.* 2009
DOI10.1007/s00253-009-1974-z
- 31- Bianco & Defez *J. Exp. Bot.* 2009 doi:10.1093/jxb/erp140
- 32- Bianco C, et al. R. Defez. *PSB.* 2009, 4(8):763-5. doi: 10.1093/jxb/erp140.
- 33- Bianco C. & R. Defez Improvement of Phosphate Solubilization and *Medicago* Plant Yield by an Indole-3-Acetic Acid-Overproducing Strain of *Sinorhizobium meliloti*. *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*, July 2010, Vol. 76, No. 14, p. 4626–4632 doi:10.1128/AEM.02756-09
- 34- Bianco C. & R. Defez. Auxins upregulate *nif* and *fix* genes. *Plant Signaling & Behavior (PSB)*. (2010) 5 (10): 1290-1294.

PATENTS

Defez & Spena

CNR & GINESTRA

1998 EPO EP98/830674.2

PCT24190

Method to control gene expression in bacteria, namely Rhizobiaceae, to improve root nodule development, nitrogen fixation and plant biomass production.

Defez et al.

CNR e GINESTRA e MIPA

1999 RM99A000451

PCT 24453

Method to modulate the character partenocarpy in plants

Defez

CNR

2005, n. RM2005A000308

PCT/IT2006/000449

Method to increase the survival of bacterial strains of the genus *Rhizobium*

Defez

CNR

2009, n. RM2009A000128

March 23, 2010 PCT extension n. 108914

Method to increase phosphate solubilization for plant uptake