19:00 - 22:00

POSTER SESSION I

MEXICAN BUFFET - DRINKS - MUSIC


85
THE RAB GTPASE SEC-4 CONTRIBUTES IN THE MORPHOGENESIS OF HYPHAE Neurospora crassa.
INTRODUCTION
RESULTS


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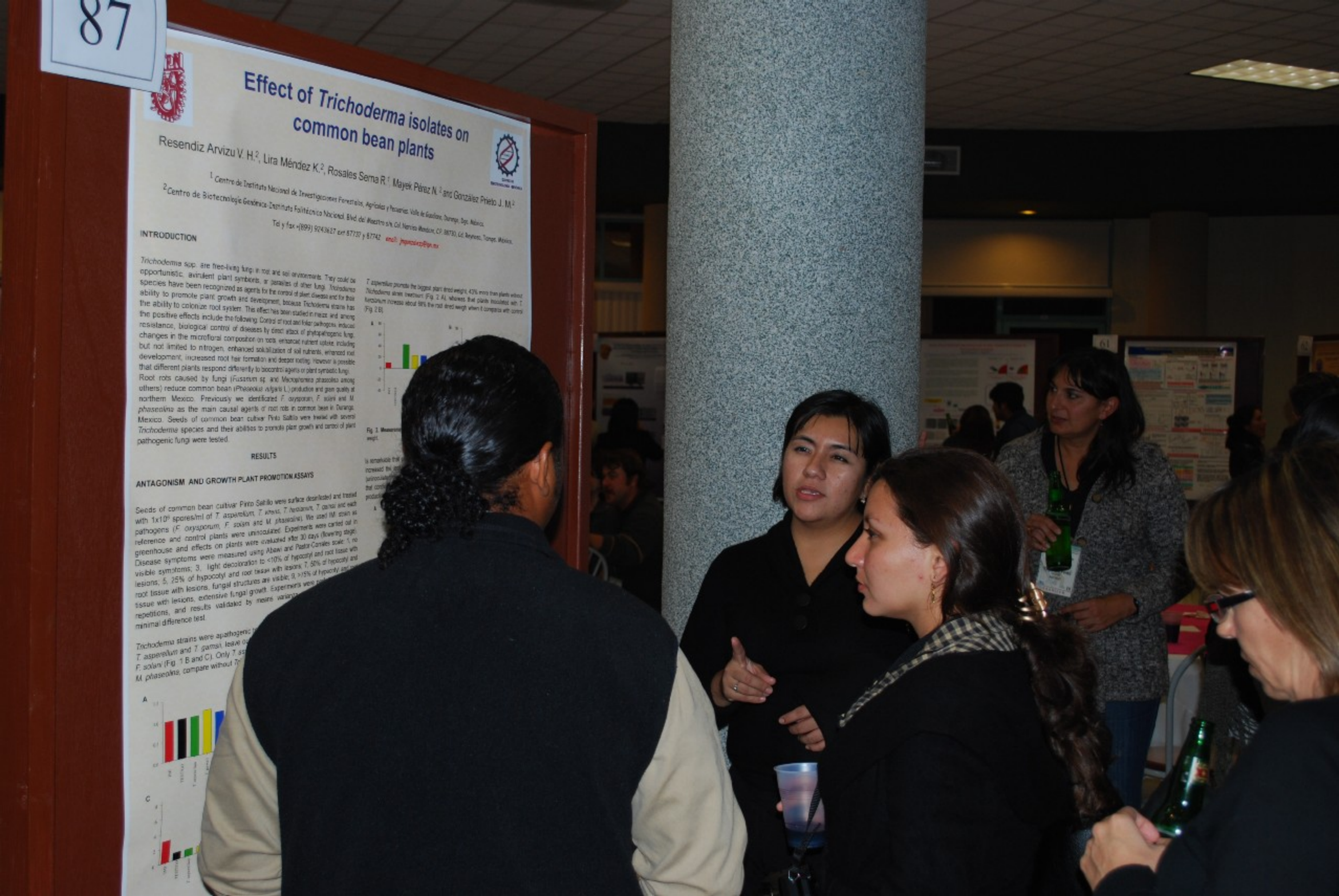
CICESE
Introduction
Methodology
Results and Discussion


87
Effect of Trichoderma isolates on common bean plants
Resendiz Arvizu V. H.[2], Lira Méndez K.[2], Rosales Serna R.[1], Mayek Pérez N.[2] and González Prieto J. M.[2]
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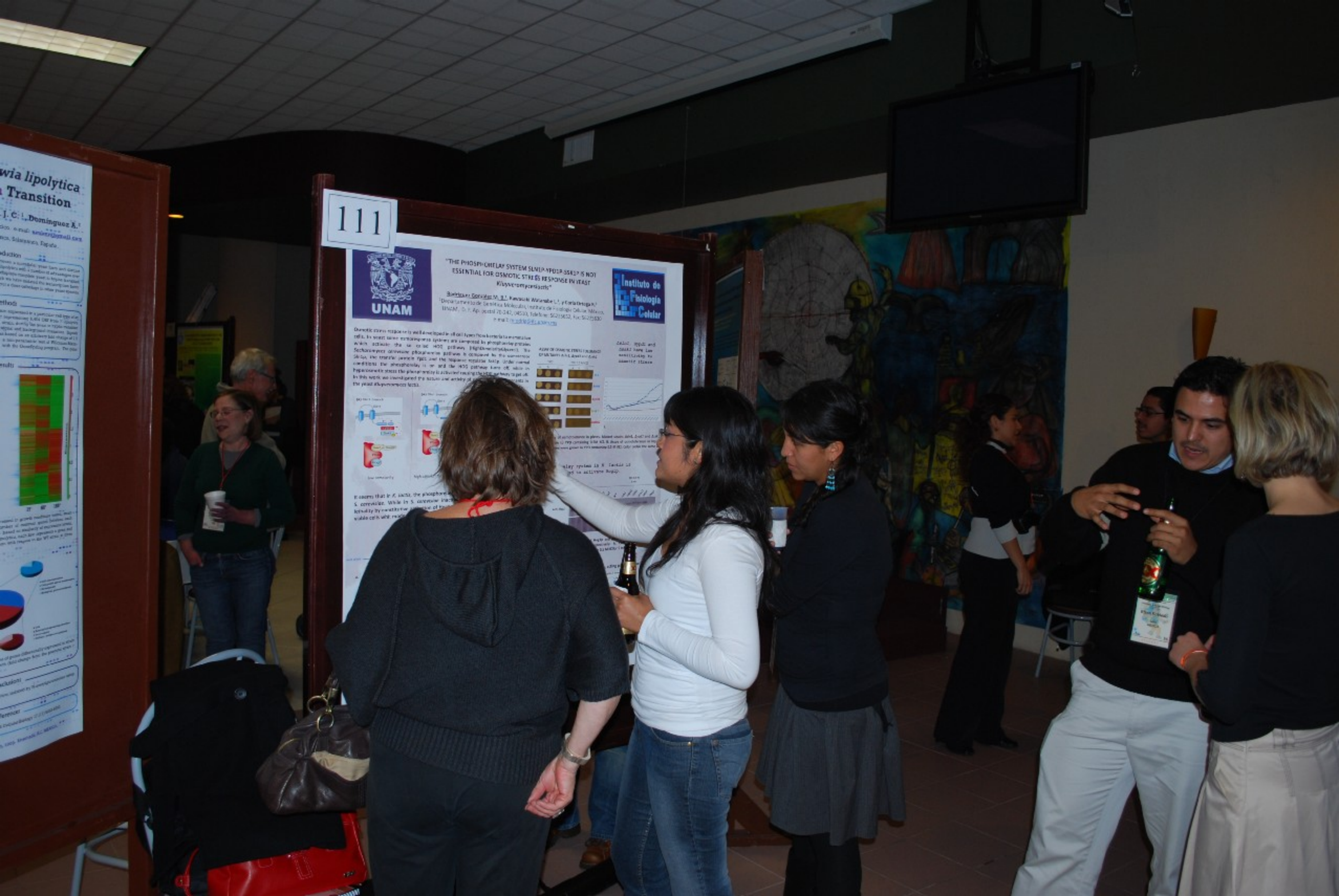
ANTAGONISM AND GROWTH PLANT PROMOTION ASSAYS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UNAM
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Jorge A
Plata
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Candelari Arballo
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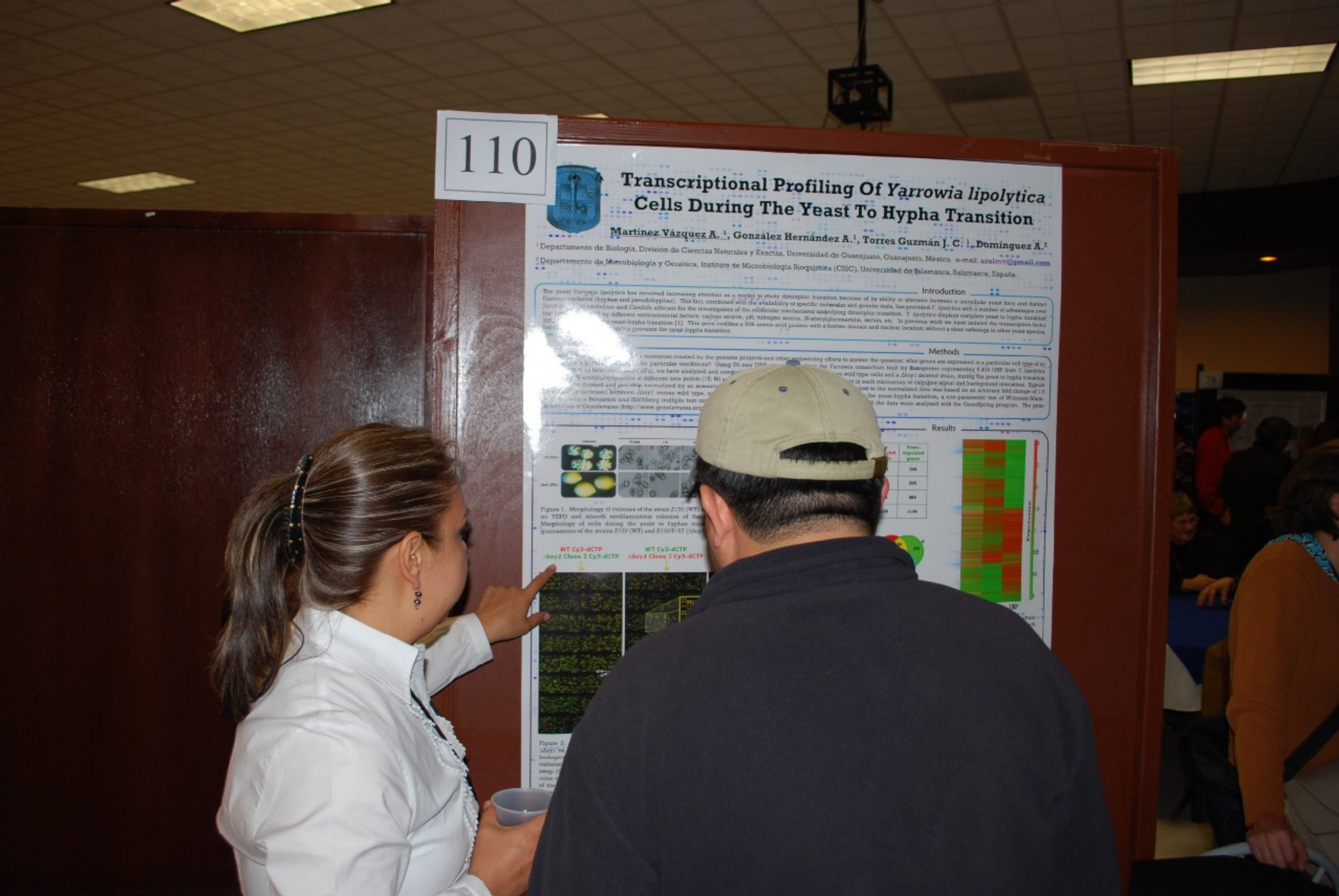
110
Transcriptional Profiling Of Yarrowia lipolytica Cells During The Yeast To Hypha Transition
Martínez Vázquez A. [1], González Hernández A. [1], Torres Guzmán J. C. [1], Domínguez A. [2]
[1] Departamento de Biología, División de Ciencias Naturales y Exactas, Universidad de Guanajuato, Guanajuato, México. e-mail: azulmv@gmail.com
[2] Departamento de Microbiología y Genética, Instituto de Microbiología Bioquímica (CSIC), Universidad de Salamanca, Salamanca, España.
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"ANALYSIS OF THE EXPRESSION OF HOMOLOGOUS GENES ASSOCIATED WITH VIRULENCE FACTORS IN Mycosphaerella fijiensis, THE CAUSAL AGENT OF BLACK SIGATOKA DISEASE OF BANANA"
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Abstract
Experimental Design
Results
Discussions and perspectives
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GENES OF THE MULTIDRUG AND TOXIC COMPOUND EXTRUSION (MATE) FAMILY IN FUNGI
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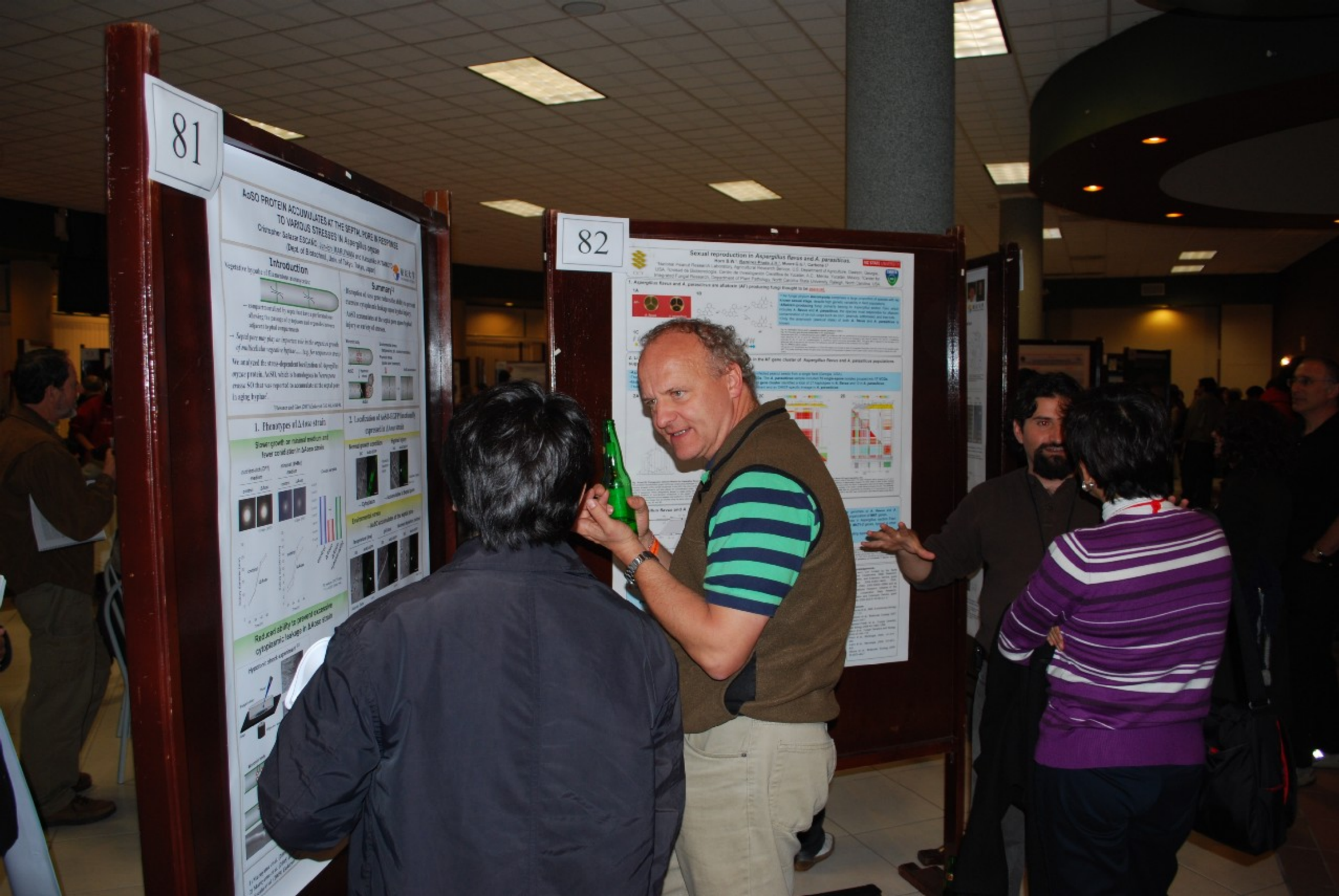
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AcSO PROTEIN ACCUMULATES AT THE SEPTUM PORE IN RESPONSE TO VARIOUS STRESSES IN Aspergillus oryzae
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Summary
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Sexual reproduction in Aspergillus flavus and A. parasiticus.

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CDC-42 localizes at the cellular apex and septa of mature hyphae of *Neurospora crassa*

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CONACYT

INTRODUCTION

Polarized growth in fungal cells is depe[illegible] GTPases and on the action of cortical markers. The subsequent apical growth is maintained by the [illegible] ensure that cellular components get incorporated into the plasma membrane and provide precur[illegible] conserved member of the family of Rho GTPases that presumably functions as a cortical [illegible] functions involved in polarized growth through its interaction with a number of downstream [illegible]

METHODS

The [illegible] was [illegible] cloned [illegible] pHTg [illegible] 2009) to yield pCAP42-1 and pCAP[illegible] FGSC #9717 his-3 conidia by [illegible] transformants were selected [illegible] NCAP22 and NCA[illegible] medium (Westergaard and Mitchell, 1947) [illegible] were selected for further analyses.

Cells were imaged using an inverted [illegible] Microscope (LSM-510, Carl Zeiss) provided with an [illegible] lasers well suited to detect GFP (Abs/Em [illegible] (Abs/Em 543/600-630nm). An oil immersion objective [illegible] neofluar was used. A photomultiplier module [illegible] confocal with phase-contrast to provide [illegible] labeled proteins and the entire cell. [illegible] 510 software and processed with an LSM [illegible] microscopy, cells were routinely grown on Vogel's [illegible] and observed using the "inverted agar block method [illegible]

RESULTS

Figure 3. Septum formation in cells of N. crassa expressing [illegible] confocal microscopy. (a-f) development of [illegible] sections clearly depicts CDC-42-GFP [illegible] beginning of septum development. Time [illegible]

Figure 4. LSCM analysis [illegible] conidia, germ [illegible] with [illegible]

[illegible] of N. crassa Arb-42 [illegible] stained with DM-64. [illegible] (b) phase-contrast [illegible] images of a and b. [illegible] indicate the septum [illegible] cortical zone (a) and [illegible] hyphae of N. crassa [illegible] accumulation of [illegible] subapical area (b) [illegible] microscopy on stable [illegible] Scale bar, 10 µm.


EXTINTO
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Frontiers in Fungal Biology