



Working Group Interim Report 2015-2016

1	Title of Working Group	Genotyping of <i>Cryptococcus neoformans</i> and <i>C. gattii</i>
2	Name(s) of Coordinator(s)	Luciana Trilles
3	Primary email contact for Working Group	luciana.trilles@ini.fiocruz.br
4	Objectives	The objectives of the working group are: 1. to standardize genotyping within the <i>C. neoformans/C. gattii</i> species complex; 2. to establish the global molecular epidemiology of this species complex; finding biological characteristics that can represent the differences among genotypes.
5	Achievements of the Working Group in last year (250 words)	<ul style="list-style-type: none"> - A congress session for the participants of the Genotyping of the <i>C. neoformans</i> and <i>C. gattii</i> Working Group was taking place as part of the 19th International Society for Human and Animal Mycology (ISHAM) Congress, in Melbourne, Australia, 2015. The participants discussed the current and future taxonomy of <i>Cryptococcus neoformans/C. gattii</i> and presented the molecular epidemiology data from different continents. - Establishment of The Latin American Network of Cryptococcosis involving researchers from Mexico, Costa Rica, Venezuela, Colombia, Argentina, Brazil and Peru. - Improvement of the MLST Database: 48 new sequence types of <i>C. gattii</i> and 166 new sequence types of <i>C. neoformans</i> were added to the database.

		<p>- Published data from Project 1 (European environmental survey): Environmental distribution of <i>Cryptococcus neoformans</i> and <i>C. gattii</i> around the Mediterranean basin. FEMS Yeast Res. 2016 Jun;16(4). pii: fow045. doi: 10.1093/femsyr/fow045.</p> <p>- Other published scientific papers which used the MLST database for <i>C. neoformans</i> and <i>C. gattii</i>:</p> <p>Cogliati et al., Fungal Genet Biol. 2016;87:22-9</p> <p>Smith et al., Int J Med Microbiol. 2015;305(7):719-23</p> <p>Beale et al., PLoS Negl Trop Dis. 2015, 25;9(6):e0003847</p> <p>Desnos-Ollivier et al., MBio. 2015, 9;6(3):e00311</p> <p>Brito-Santos et al., PLoS One. 2015, 17;10(2):e0115866</p> <p>Linares et al., Rev Iberoam Micol. 2015;32(4):269-72</p> <p>Maestrale et al., Vet Microbiol. 2015,12;177(3-4):409-13</p> <p>Wu et al., Mycoses. 2015;58(5):280-7</p> <p>Dou et al., Eur J Clin Microbiol Infect Dis. 2015;34(4):753-62</p>
6	Is your Working Group going to continue for the next three years?	Yes, the working group will be still active in the next three years. The working group will meet in the session of Molecular Epidemiology as part of the International Conference on Cryptococcus and Cryptococcosis (ICCC10) in Brazil, 26-30. March 2017. In the same Conference, a meeting will consolidate the Latin American Network of Cryptococcosis.