

07 INTRODUCTION

- 08 **Managing creative disturbances**
Markus Schmidt
- 22 **Creative mis/understandings: expectations, outcomes,
and frictions in asymmetric art/science encounters**
Jens Hauser

35 NEWCOTIANA

- 37 **About**
- 38 **Artist x Laboratory**
- 40 **Tobacco: a mass of atoms, a biofactory,
and a generous friend**
Karel Doing
- 80 **Tobacco research through different lenses:
reflections on the influences of art in science**
Julian Ma, Cathy Moore and Kathrin Göritzer

87 SINFONIA

- 89 **About**
- 90 **Artist x Laboratory**
- 92 **Making music with enzymes**
Eduardo Reck Miranda
- 106 **Rewriting the symphony of life with synthetic
metabolism – can enzymes play music?**
Nicolas Krink, Manuel Nieto-Domínguez,
Pablo I. Nikel

115 MADONNA

117 About

118 Artist x Laboratory

120 Multiscalar forms of resistance: the molecular switch,
the bacterium, the individual and the state
Lara Tabet

140 Towards a new covenant with nature –
starred by environmental microorganisms
Víctor de Lorenzo

152 Artist x Laboratory

154 Souls from the deep: a survey through
a sticky universe
Isabelle Andriessen

168 Breathing life into inorganic alien matter
Lee Cronin

175 AFTERWORD

176 Friction gains in art & science collaboration:
more than noise
Claudia A. Schnugg

191 CONTRIBUTORS

196 IMAGE CREDITS

