

ADVANCES IN MICROBIAL PHYSIOLOGY

MICROBIAL GLOBINS – STATUS AND OPPORTUNITIES

EDITED BY ROBERT K. POOLE

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Haem-Based Sensors: A Still Growing Old Superfamily

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The Diversity of 2/2 (Truncated) Globins

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Alessandra Pesce, Martino Bolognesi and Marco Nardini

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The Globins of Cyanobacteria and Algae

Eric A. Johnson and Juliette T.J. Lecomte

The Dos Family of Globin-Related Sensors Using PAS Domains to Accommodate Haem Acting as the Active Site for Sensing External Signals

Shigetoshi Aono

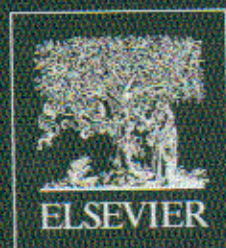
The Globins of Cold-Adapted *Pseudoalteromonas haloplanktis* TAC125: From the Structure to the Physiological Functions

Daniela Giordano, Daniela Coppola, Roberta Russo, Mariana Tinajero-Trejo, Guido di Prisco, Federico Lauro, Paolo Ascenzi and Cinzia Verde

Microbial Eukaryote Globins

Serge N. Vinogradov, Xavier Bailly, David R. Smith, Mariana Tinajero-Trejo, Robert K. Poole and David Hoogewijs

Cover illustration: The X-ray structure of *Chlamydomonas eugametos* L1637 hemoglobin superimposed on cultured *Chlamydomonas reinhardtii* cells (Eric A. Johnson and Juliette T.J. Lecomte).



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