Record Nr. UNINA9910828992203321 Genomics, physiology and behaviour of social insects / / edited by Titolo Amro Zayed, Clement F. Kent; contributors, Patrick Abbot [and twentythree others] Amsterdam, [Netherlands]:,: Academic Press,, 2015 Pubbl/distr/stampa ©2015 **ISBN** 0-12-802348-1 Edizione [First edition.] Descrizione fisica 1 online resource (380 p.) Collana Advances in Insect Physiology, , 0065-2806; ; Volume 48 Disciplina 595.71782 Soggetti Insect societies Insects - Genetics Insects - Physiology Insects - Behavior Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Nota di contenuto Front Cover; Genomics, Physiology and Behaviour of Social Insects; Copyright: Contents: Contributors: Foreword: Introduction to Advances in Insect Physiology: Genomics, Physiology and Behaviour of Social Insects; References; Chapter One: Old Threads Make New Tapestry-Rewiring of Signalling Pathways Underlies Caste Phenotypic Plasticity in the Ho ...; 1. Introduction; 2. Differential Feeding of Honey Bee Larvae; 3. The Secrets of Royal Jelly; 4. The Role of JH in Honey Bee Caste Development; 5. IIS, TOR and Egfr Pathway Activities in Honey Bee Caste Development 6. Endogenous Hypoxia in Worker Larvae-Convergence of Nutrient Signalling and Oxidative Metabolism7. Epigenetics and Caste Development; 8. Are There Commonalities Between Context-Dependent Signalling Pathways in Larval Caste Development and Adult Caste Funct ...; 9. Conclusions; Acknowledgements; References; Chapter Two: The Physiological and Genomic Bases of Bumble Bee Social Behaviour; 1. Introduction; 1.1. The B. terrestris colony life history; 1.2. The social history of the B. terrestris colony; 1.3. Alternative life history strategies

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