

TABLE OF CONTENTS

Front Matter

Pages 17-17

1. [Genetics, Genomics, and Biological Resources in the Medaka, *Oryzias latipes*](#)

- Kiyoshi Naruse

Pages 19-37

2. [Chromatin-Associated Periodicity in Genetic Variation Downstream of Transcriptional Start Sites](#)

- Shin Sasaki, Cecilia C. Mello, Atsuko Shimada, Yoichiro Nakatani, Shin-ichi Hashimoto, Masako Ogawa et al.

Pages 39-47

3. [Transposable Elements *Toll* and *Tol2*](#)

- Akihiko Koga

Pages 49-58

4. [A Systematic Screen for Mutations Affecting Organogenesis in *Medaka*](#)

- Makoto Furutani-Seiki

Pages 59-77

□ Organogenesis and Disease Models

1. Front Matter

Pages 79-79

2. [Medaka Bone Development](#)

- Akira Kudo

Pages 81-93

3. [Anatomical Atlas of Blood Vascular System of *Medaka*](#)

- Sumio Isogai, Misato Fujita

Pages 95-109

4. [Kidney Development, Regeneration, and Polycystic Kidney Disease in Medaka](#)

- Hisashi Hashimoto

Pages 111-130

5. [Primary Ciliary Dyskinesia in Fish: The Analysis of a Novel Medaka Mutant Kintoun](#)

- Daisuke Kobayashi, Hiroyuki Takeda

Pages 131-156

6. [Deficient Medaka Created by TILLING](#)

- Yoshihito Taniguchi

Pages 157-172

7. [Medaka Spontaneous Mutants for Body Coloration](#)

- Shoji Fukamachi

Pages 173-184

8. [Craniofacial Traits](#)

- Minori Shinya

Pages 185-199

9. [Double Anal Fin \(Da\): A Medaka Mutant Exhibiting a Mirror-Image Pattern Duplication of the Dorsal–Ventral Axis](#)

- Masato Ohtsuka, Hiroyuki Takeda, Atsuko Shimada

Pages 201-215

□ **Germ Cells, Sex Determination, and Reproduction**

1. **Front Matter**

Pages 217-217

2. [Interaction of Germ Cells and Gonadal Somatic Cells During Gonadal Formation](#)

- Minoru Tanaka

Pages 219-227

3. Frequent Turnover of Sex Chromosomes in the Medaka Fishes

- Yusuke Takehana

Pages 229-240

4. Function of the Medaka Male Sex-Determining Gene

- Manfred Schartl

Pages 241-253