visual neuroscience

Volume 35 2018 Special Collection

CONTENTS

Amblyopia: Challenges and Opportunities The Lasker/IRRF Initiative for Innovation in Vision Science
Elizabeth M. Quinlan and Peter D. Lukasiewicz e9

The Lasker/IRRF initiative for innovation in vision science amblyopia:
Challenges and opportunities e10

Introduction

Amblyopia: The clinician's view
David Hunter e11

Perspectives

Classification and diversity of amblyopia
Daphne Maurer and Suzanne P. McKee e12

Early diagnosis of amblyopia
David Hunter and Susan Cotter e13

Critical periods in amblyopia
Takao K. Hensch and Elizabeth M. Quinlan e14

Treatment of amblyopia as a function of age
Jonathan M. Holmes and Dennis M. Levi e15

Cortical correlates of amblyopia
Lynne Kiorpes and Nigel Daw e16

Animal models of amblyopia
Donald Mitchell and Frank Sengpiel e17

Amblyopia: New molecular/pharmacological and environmental approaches
Michael P. Stryker and Siegrid Löwel e18

Concluding remarks on the Lasker/IRRF initiative on amblyopia
John E. Dowling e19

Appendix 1–Joint advisory board and collaborating executives of the Lasker/IRRF initiative
for innovation in vision science e20

Appendix 2–Steering committee of the Lasker/IRRF initiative for innovation in vision science e21

Appendix 3–Contributors to the Lasker/IRRF initiative on amblyopia e22

Appendix 4–Abbreviations e23

https://doi.org/10.1017/S0952523817000165 Published online by Cambridge University Press