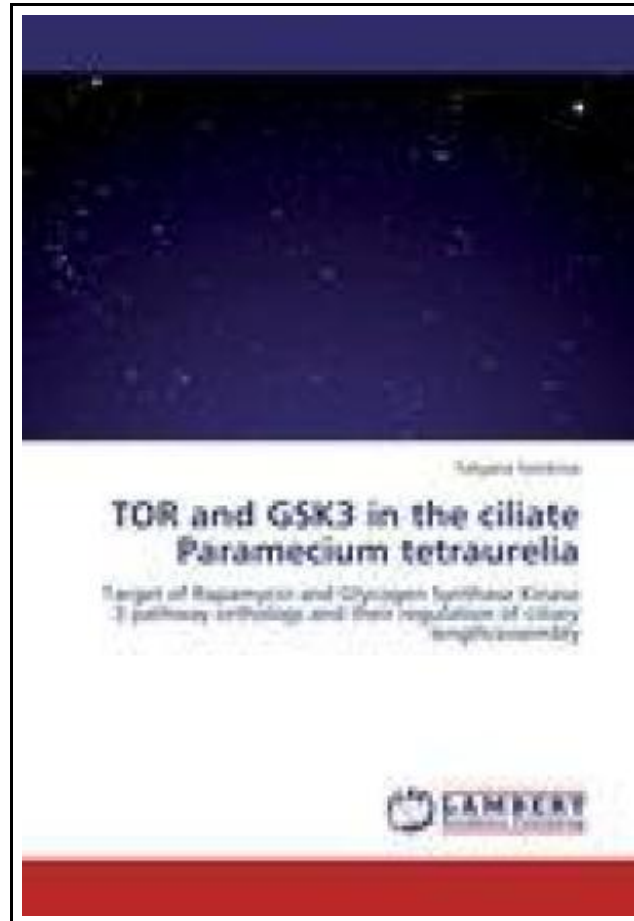


## TOR and GSK3 in the ciliate Paramecium tetraurelia



Filesize: 1.97 MB

### ***Reviews***

*A really wonderful book with lucid and perfect reasons. This can be for all who statte there was not a worth reading through. You are going to like how the author write this book.*

*(Dr. Grady Jacobi DDS)*

## TOR AND GSK3 IN THE CILIATE PARAMECIUM TETRAURELIA



LAP Lambert Academic Publishing Jun 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x20 mm. This item is printed on demand - Print on Demand Neuware - Target of rapamycin (TOR) is a serine threonine kinase that regulates cellular processes in response to the stresses and nutrients in the environment. We investigated TOR signaling pathway in the ciliate *Paramecium tetraurelia* (*P. tetraurelia*). Using BLAST (Basic Local Alignment Search Tool) we identified orthologs of the mammalian TOR, LST8, Akt, Rheb, Rag A/B, Rag C/D, SNAT2, Tap42, S6K, PKA and GSK3 in the *P. tetraurelia*. With RNA interference technique we established that depletion of these orthologs reduced cellular proliferation and arrested cells between G1 and S stages of the cell cycle. Furthermore, GSK3 depletion produced round looking cells with short, sparse cilia, and GSK3 was localized to the pellicle and cilia of *P. tetraurelia*. In addition to these investigations, we determined that inhibition of PKA with H89 prevented re-growth of cilia in de-ciliated cells. Our results possibly suggest that GSK3 and PKA work together in the regulation of ciliary length and /or assembly in *P. tetraurelia*. We also hypothesize that these regulations are TOR dependent. 340 pp. Englisch.



[Read TOR and GSK3 in the ciliate Paramecium tetraurelia Online](#)



[Download PDF TOR and GSK3 in the ciliate Paramecium tetraurelia](#)

## Other PDFs



### **Why We Hate Us: American Discontent in the New Millennium**

Random House USA Inc, United States, 2009. Paperback. Book Condition: New. 198 x 130 mm. Language: English . Brand New Book. Americans are as safe, well fed, securely sheltered, long-lived, free, and healthy as any...

[Read ePub »](#)



### **Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities**

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso's groundbreaking and trusted guide on bullying-including cyberbullying-arms parents...

[Read ePub »](#)



### **Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers**

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download...

[Read ePub »](#)



### **The Kid Friendly ADHD and Autism Cookbook The Ultimate Guide to the Gluten Free Casein Free Diet by Pamela J Compart and Dana Laake 2006 Hardcover**

Book Condition: Brand New. Book Condition: Brand New.

[Read ePub »](#)



### **Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age**

Adams Media Corporation. Paperback. Book Condition: new. BRAND NEW, Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age, David Dutwin, TV. Web Surfing. IMing. Text Messaging. Video...

[Read ePub »](#)