Introduction to LaTeX

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Abstract

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1 Introduction

- Time course of pS6K in AA and AA + rapamycin conditions [**?**]
- Rheb activates AMPK and reduces p27 in TSC2 null cells which in turn reduces cdk2 [**?**]
- Rheb is constitutively active in TSC2 knockout cells [**?**]
- In TSC2 null cells, down regulating Rheb down regulated mTORC1 and s6k
- TSC2 is a GAP for Rheb [**?**]
- The more TSC2 in the system the more Rheb that is hydrolysed [**?**]
- Rheb-GTP is an activator of mTORC1, measured by an increase in S6K and 4EBP phos
- The more RhebGTP present the more mTORC1 activation and S6K/4EBP phos [**?**]

1.1 [**?**]

[**?**]

2 Papers left to read

- Inoki2003 ampk phos tsc2
- insulin causes phos of s6k
-

2.1 Ideas for language extension

Define conditions within the language? Keywords and language useage for end user:

- Oscillations x: Look for oscillations in x
- transient increasing x: Look for a transient increasing curve
- x@t=5 ¿ x@t=10
- max x@t=(0, 100) ¿ 50
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- define condition name Insulin: 1, AA: 0
- define condition combinations name Insulin: 1, AA: 0
- Then to reference the condition:

- all x[name]@t=(0,100) ¿ max x[other$_name$]@$t = (0, 100)$