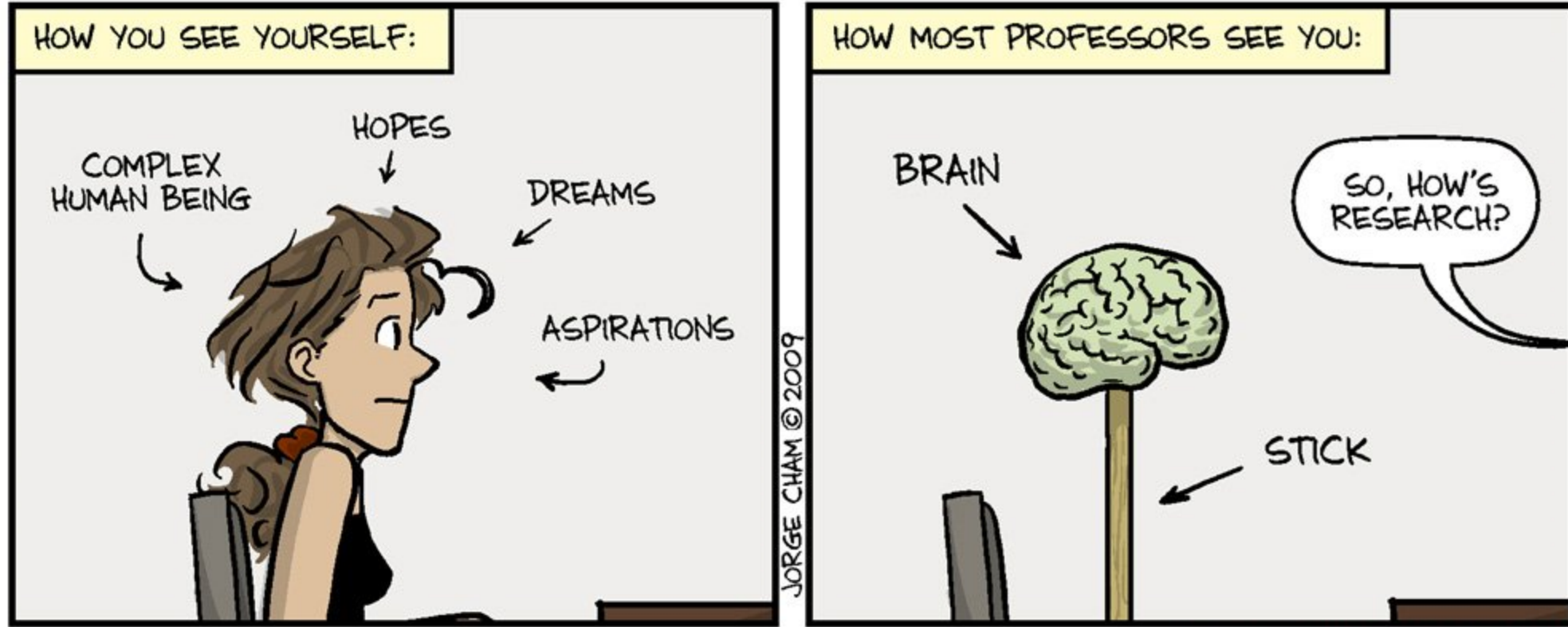


Illustration by PhDcomics from www.phdcomics.com



WWW.PHDCOMICS.COM

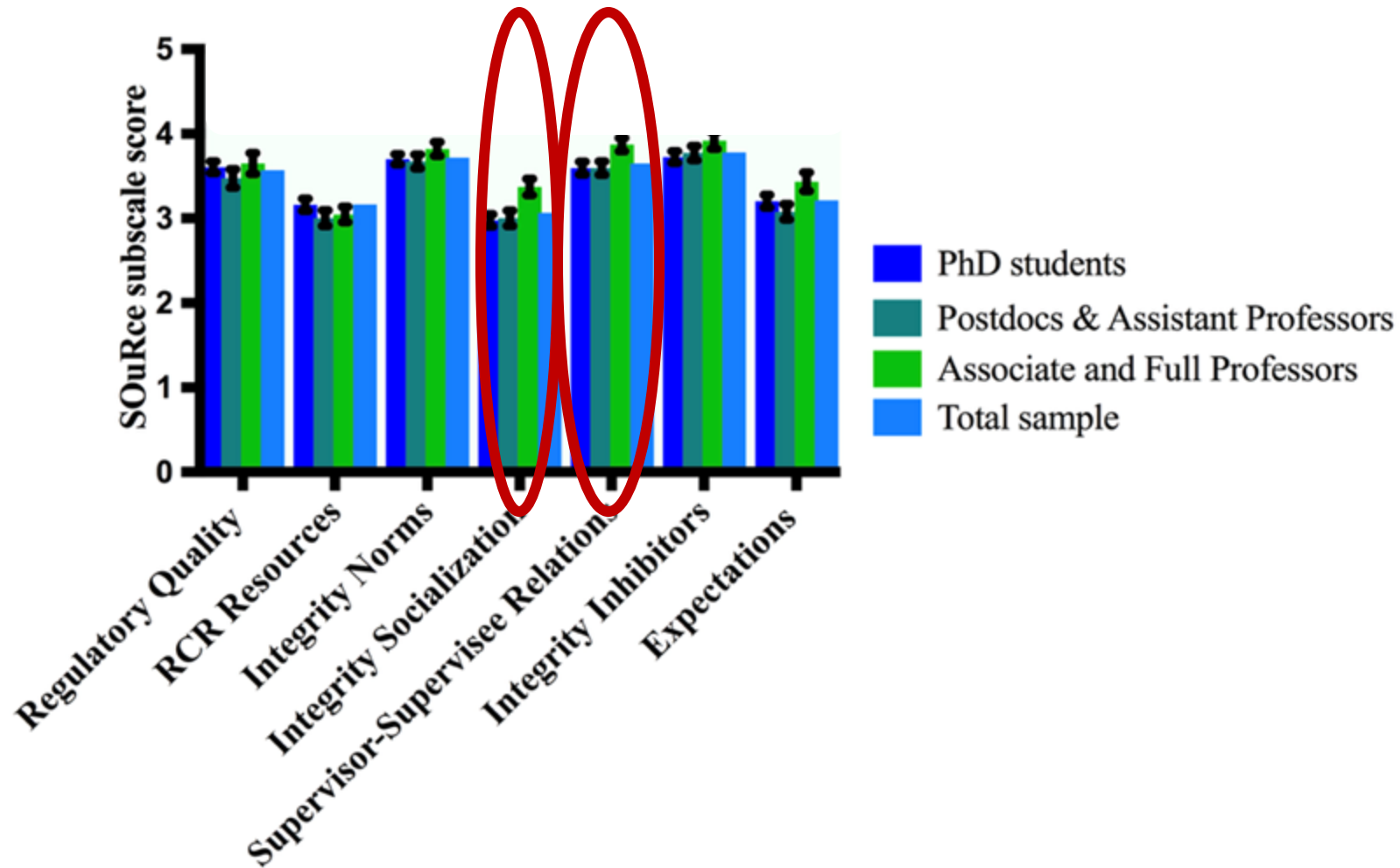
**TOWARDS A RESEARCH CLIMATE** *That fosters responsible research*

# RESEARCH CLIMATE

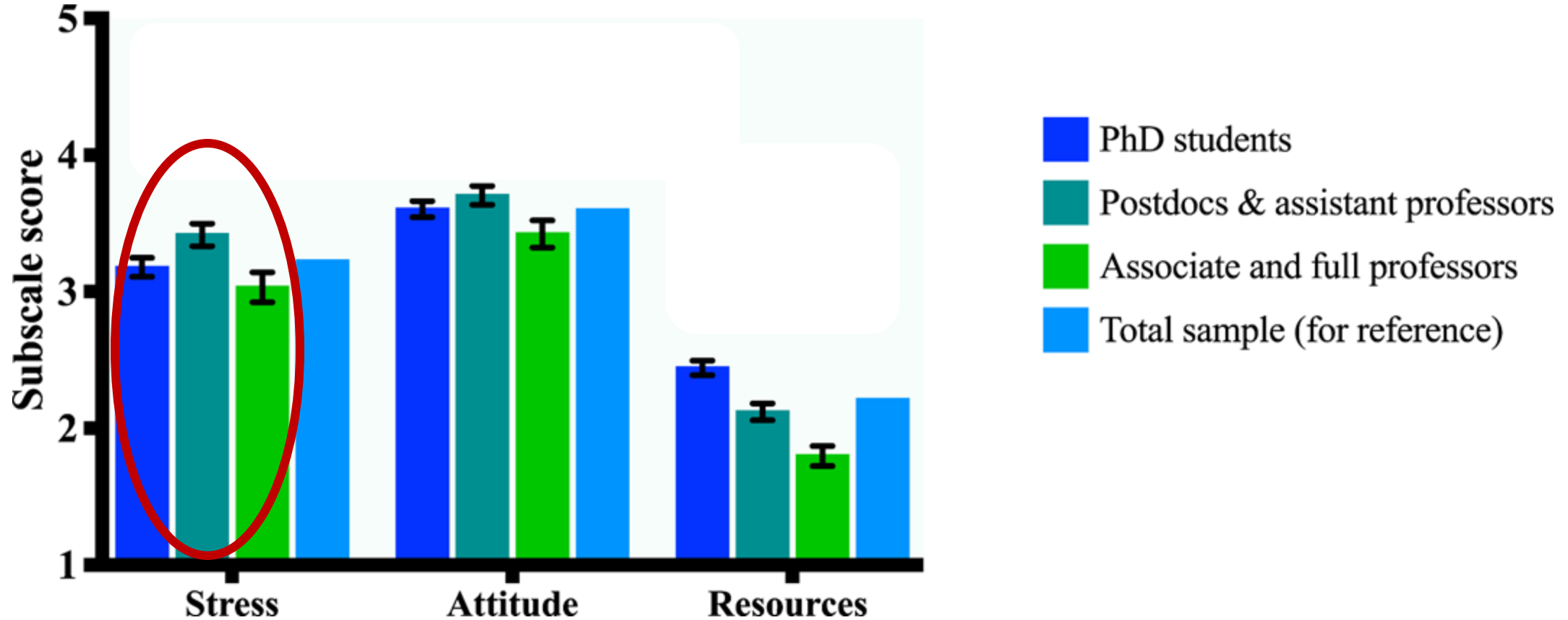
“The ***shared meaning*** organisational members attach to the events, ***policies, practices*** and procedures they experience and the ***behaviours*** they see ***rewarded, supported, and expected.***”



# PERCEPTIONS DIFFER



# PERCEPTIONS DIFFER



How often have you  
observed the behaviour  
in the last three years?

If you were to observe this  
behaviour, how large would its  
impact be on the validity of the  
findings of the study at issue?

“Report an incorrect downwardly rounded p-value”

# BEHAVIOURS OBSERVED

	Biomedicine		Natural sciences		Social sciences		Humanities	
#1	Insufficiently supervise or mentor junior co-workers	7.02 (3.63)	Insufficiently supervise or mentor junior co-workers	7.72 (4.13)	Insufficiently supervise or mentor junior co-workers	6.95 (3.78)	Insufficiently supervise or mentor junior co-workers	6.76 (3.84)

# EXPLAINING BEHAVIOURS

	Outcome = perceived frequency of misbehaviours		
Variables added <sup>1</sup>			
Individual factors <sup>a</sup>			
<i>Climate factors<sup>b</sup></i>			
Publication factors <sup>c</sup>			

**Table 3.** Explained variance of groups of factors using hierarchical mixed modelling.

<sup>0</sup> = this is the explained variance when *only* the individual factors are added, i.e. just the climate factors explain 22.22% of variance perceived frequency of research misbehaviours.

<sup>1</sup> = the models are hierarchical, factors are added consecutively, i.e. the explained variance is 31.65% when both individual as well as climate factors are added to the model.

<sup>2</sup> = model fit is the difference between the -2 Log likelihood of the previous model, i.e. 74 is the difference between the intercept-only model and the model with individual factors added, etc.

<sup>3</sup> = contrasted with the previous model.

# A RESPONSIBLE CLIMATE?

Discuss expectations

Improve supervision



# SUPERB SUPERVISION - PILOT

3-day training program

***Interpersonal skills***

***Responsible research practices***

Survey

Both supervisors and PhD candidates seemed ***more positive*** about their interpersonal skills and the ability to foster responsible research practices

Focus groups

Synergy, but keep it ***focused***  
Highly ***recommend***, don't make it compulsory

# MORAL CASE DELIBERATION - PILOT

Deepening insight into  
Stakeholders' perspectives

# FUTURE RESEARCH

Examining researchers' behaviours (more) directly

Rigorously testing and scaling up interventions

