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**Subject:** interview project next week

**Date:** August 30, 2002 at 10:30:24 CEST

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Hi Iain.

I spoke to you a couple of days ago about our interview project for the EIROFORUM teaching kit. Things are getting more concrete. We would like to do the interview later next week, probably Thursday if that's convenient. The audience will be high school kids, ages 15 - 18, so the level of information will have to be very general.

The topic of the kit is malaria research and, more generally, how molecular biology promises to influence the field of medicine. Matthias Hentze is going to talk about that topic. We want to talk about the work of Fotis' lab using chips and other techniques, so as a bridge we need to deal with gene expression themes.

The issues I would like you to address are:

What's the relationship between DNA-RNA-proteins? What are the basic roles of these molecules in cells?

Why do specific cells only use a portion of their genes to produce RNAs and proteins? What types of things might change the pattern of genes that they use? What effects could such changes have?

What happens to gene expression during infections and diseases? How could studying these processes, through chips and other techniques, eventually lead to new ways to combat diseases?

Thanks,

Russ

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