

withhold job security for such a long time. Why put young researchers in a position in which they do not know if and where on this planet they will have their next job? Why limiting contracts to only a few years? Why putting them through a tenure track process? Why do we have an academic system that systemically takes away safety?

I came to two possible explanations, and both of them are not something we can be proud of. The first explanation is that the purpose of the uncertainty is to weed out the weak. We produce more PhD than available faculty positions and hence a fearsome competition is arranged in which only the most productive survives [7]. A recent example of the consequences of work pressure is the spiral of suicides at France Telecom [8]. While the suicide rate of 23 employees might not be statistically significant higher than the nations average, it still forced the management to offer more counseling. The second explanation is related but on a more abstract level: Taking away certainty induces fear, which in return leads to a higher performance and it allows managers to control their subordinates more easily [9].

But who then is responsible for this system? Who decides on the granting of funding and the promotion of staff? It is the generation of the policy makers! And this is where the real irony of the current situation can be found. On the one hand, young researchers are supposed to build robots for the ageing society, but on the other hand, they system in which they have to operate is setup to prevent them from having children themselves! The real solution to overcome the problems of an ageing society is not to create robots, but to have more children. This means that we have to provide an academic environment in which young researchers dare to have children. We do not even have to spend much more money. It is not necessarily the income that makes young researchers decide to delay children or to not have children at all. It is incredible uncertainty that they have to deal with. We have to offer them clear and safe career opportunities. Do not be fooled that we would loose all flexibility in offering permanent positions to junior staff. If they are ambitions or curios, they will still hunt for new challenges. But they will do it from a safe base that will allow them to plan the future of their families.

We also do not need to worry that young researchers will loose all their motivation once we take the heat off from them. Scientists are most of the time internally motivated. They pursue science because they are curious and they need the academic freedom to expand their horizon. A safe position also enables young researchers to tackle new and high-risk research areas. They can bring forward provocative ideas that might not be easily published, but that have a considerable potential. Researchers that have to fear the loss of their job will most likely play safe and only tackle established research problems. It is usually not advisable to challenge a senior scientist that will be involved in the decision if you will have a job next year. I am under the impression that to some degree the uncertainty is also used to more easily control young researchers. While guidance can also be helpful, I hope that

the cynical observation that science only progresses with the death of its professors will not hold true.

One may now argue that creating such a child-friendly environment is the task of the government and not that of the universities. And indeed, the Japanese government decided to grant 26.000 Yen per month to families for each child starting in 2011 [10]. But again, financial constraints are only one of the reasons why families are hesitant to have children.

What then can universities do to help their junior stuff to start families and have children? As mentioned above, the most important factor is job security. Would you want to have your first baby when you have no idea if you have a job next year? An alternative policy could be to automatically offer becoming parents a permanent position and an increase in salary.

I have to admit that the argument in this paper is to some degree a simplification of the problem. There are additional factors that I did not discuss in full length. For example, the fact that the time people spend on their education increased, that women increasingly build their own careers, or the difficulties of coordinating dual careers with parenthood. Another important fact is that on a global level, we are not suffering from a decrease in the population. A simple way to counterbalance the ageing population would be to invite young immigrants from developing countries. I am even less qualified to argue on such a global level since I am not an expert on migration. I hope that the reader allows me to focus this discussion on the academic world in the developed countries.

In summary, I argue for creating child friendly environment for young academics that gives them the safety they need to have children. Children are the future of our society and not robots. It is ironic that the current generation of policy makers are unable or unwilling to prevent the junior researcher from making the same mistakes they did.

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