No one denies that emerging technologies can learn lessons from the fate of genetically modified crops in the UK. But there is no consensus about what those lessons are. Businesses might conclude that it is perilous to introduce new technologies in the face of public ignorance about their scientific basis. Opponents of global capitalism might draw faith in the power of public opinion to oppose commercial interests. The British government shows signs of concluding that sometimes the public simply does not know what is good for it.

This divergence of opinion provides one reason why the aims of the Forum for Technology, Citizens and the Market, launched in January by the Royal Society of Arts, Manufactures and Commerce (RSA) in London, are laudable. The forum will seek to encourage dialogue between industries, consumers, governmental bodies and other interested parties as emerging technologies approach the market. One of the current candidates for such treatment is nanotechnology, which some fear might go the way of GM and biotechnology in provoking a collision between public opinion and industrial intentions. Similarly, radiofrequency tagging of products (and perhaps of raw materials) promises consumer benefits, improved security and easy recycling, but carries implications for privacy and surveillance.

In this arena, 'social learning' seems to be poor among industries, scientists and the public alike. No one learns from past mistakes. Studies have suggested that opposition to GM crops was centred not on a general (mis)understanding of the science, but on the question of public trust in those making the decisions. Yet the scientific community has commonly responded by lamenting the paucity of scientific knowledge in society.

Thus scientists have tended to construct 'deficit' models to explain resistance to new technologies. Once they argued that the problem was lack of knowledge. Then they asserted that there was poor comprehension of the scientific process — how it deals with issues like uncertainty. Now that seems to be replaced by the perception of a deficit in trust of scientific authorities. In each case, the argument goes, if only the deficit were redressed, the public would welcome the technology with open arms.

This is not to deny the importance of good science communication and education. But it is patronizing to public opinion, which may draw on non-scientific (and possibly quite valid) reasons to oppose a new technology.

The challenge for projects like the RSA's is that if the hard questions about public involvement in shaping the technological future are squarely faced, they become
dauntingly broad. For example, it's often argued that a misguided rejection of new technologies stifles wealth creation. But when studies show that above a certain threshold of prosperity, economic growth no longer improves social happiness, the case for wealth creation as an end in itself is no longer self-evident. Better, perhaps, to ground advocacy in terms of demonstrable social benefits — for example, for health or the environment — which will be case-specific. Harder still is the issue of whether there should be a public mandate at all for new technologies, and if so, how it should be identified.