

Example Annotated Bibliography

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Math 4779

January 31, 2001

References

- [1] Christian Berggren and Solmaz Filiz Karabag. Scientific misconduct at an elite medical institute: The role of competing institutional logics and fragmented control. *Research Policy*, (December 2016):1–16.

The paper analyzes a case of medical and academic misconduct, the Karolinska case, using a institutional theory framework. The case was about the practices of Paolo Macchiarini when developing a technique of artificial trachea transplant, which lead to the death of several patients. Authors research what factors lead to maintaining the misconduct a long time period, what actors lead to the exposure of the misconduct and the lessons learned for other insitutional settings. The case reveals a resource asymmetry between the market-oriented logic and medical and scientific logics. The market-oriented logic fosters academic institutions to focus their efforts to develop their brands and compete for resources. It also reveals the problem of fragmented control in the academic field. Following this market-research logic, the function of scientific quality control is judged as less relevant, and it is outsourced to editors of academic journals. This leads to a fragmented control of scientific activity. Conversely, academic journals are also driven by a market-oriented logic, which may lead them to relax standards of peer reviewing, and an asymmetry between rapid entry (acceptance) and slow exit (retraction). It is significant that the most effective whistleblower of this case was a docummentary on a Swedish television.

- [2] R. Mifflin. Semismooth and semiconvex functions in constrained optimization. *Siam Journal on Control*, 15:957–972, 1977.

This is the first appearance in the literature of the concept of a semismooth function. Semismooth functions are closed under addition and composition, and also guarantee the local convergence of nonsmooth generalizations of Newton's method.