# On research grants

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## Grants as a Principal Investigator

Here is a complete list of grants for which I submitted the application as a PI.

| Name | Agency | Exercise Year | Amount | Remarks on Submission |
|------|--------|---------------|--------|-----------------------|
| Multiuser communications - new tools and techniques | Direct grant | 2007/2008 | 150,000 | "start-up grant" |
| Multiuser communication - new tools and techniques | GRF (RGC) | 2009/2010 | - | unsuccessful (3.5) [green PI application] |
| Multiuser Information Theory - New Tools and Techniques II | Direct grant | 2009/2010 | 64,000 | based on GRF score |
| Discrete memoryless broadcast channels - a network information theoretic study | GRF(RGC) | 2010/2011 | 765,732 | resubmission of unsuccessful grant with cosmetic changes |
| Towards determining capacity regions in network information theory: new directions and techniques | GRF(RGC) | 2012/2013 | 500,000 | continuation of previous GRF research |

## Grants as a co-investigator

I am also a co-I for the "Institute of Network Coding" which received the AoE grant of about HKD 108 million.

*Remark: I played no active role in the grant application. However the grant has helped me host collaborators, post-docs, and covered my conference expenses. My work is in fundamental problems in multi-user information theory (or network information theory). Network coding can be considered as a part of the field of multi-user information theory but with legs strong enough to stand on its own.*