Transferable skills of researchers

1. Project management
   Financial management
   Understanding financial systems
   Budgetary control
   Managing people
   Understanding the characteristics of an efficient team
   Interpersonal skills within teams
   Leadership
   Motivation
   Team building
   Skills in delegation and support
   Planning
   Planning the work and the allocation of work
   Planning to avoid peak load problems for support staff
   Proposal writing
   Expertise in writing project proposals
   Quality issues
   Understanding of quality assurance processes
   Conducting regular project reviews- including development of ideas
   Skills in working to deadlines and producing a quality product
   Understanding the project's purposes
   Clarity on project context
   Information/ document management
   Know-how management
   Construction of databases
   Document handling

2. Personal and Interpersonal
   Networking skills
   Financial management
   Time management
   Assertiveness skills
   Use of Information technology
   Word processing
   Skills of workload management
   Stress management skills
   Managing your supervisor
   Negotiation and persuasion
   Communication skills
   Managing people
   Team working
   Managing change
   Handling the media

3. Corporate management/ business skills
   Entrepreneurship
     EG: Business start-up awareness
   Technology transfer
Protection and exploitation of IPR (Intellectual property rights)

4. Research Skills

Context
Keeping abreast of current developments/future trends in the research domain
Maintenance of familiarity with literature and with current practice in the field
Awareness of research activities of other people in the centre
Awareness of the wider social and political context of the research

Strategic
Clarity of thought
Ability to distil out the finding of crucial significance from volumes of research data
Ability to operate across a range of different projects
Ability to generate high profile, authoritative statements on key issues
Developing the ability of staff to apply research methods/concepts to new domains

Research concepts
Research strategies
Ethical issues
Scientific method- some philosophical considerations
Philosophies and issues within research
Hypothesis generating and testing
The political dimensions of research
Ethnographic research
Economic models of research

Methods
Bibliographic and reading skills
Quantitative and IT aspects in research
Understanding of how to exploit hierarchical databases and use CD-ROMS
Statistical analysis techniques
Methodology generating and testing
Measurement and experimental design
Analysis of data – hard and soft
Validation of findings
Statistical skills
Qualitative and historical aspects in research
Working with organisations
Design and use of questionnaires
Using questionnaires in organisations
Survey techniques
Case study approaches to research
Computer modelling
Interviewing and participant observation
Field work
Survey methods (interviews, questionnaires, case techniques, action research)
Econometric methods; psychometric methods
Linear and multivariate modelling
Association and group analysis techniques
Qualitative research methods
Interviewing skills
Knowledgeable about available software for data analysis
Acknowledgement of the importance of qualitative skills
Survey techniques
Career Management Skills for Postgraduates & Researchers

Enhancement of qualitative skills e.g. awareness of software packages
Sound quantitative grasp even if not primarily a quantitative researcher

**Dissemination**
Writing skills
Presentation skills
Ability to write and present appropriately to different audiences
Skills in identifying outlets for publication
Networking skills

Taken from: Report from RCI working Group on Training: Appendix 1: Identification of Transferable Skills