

Bias detected - WHO Environmental Health Criteria (EHC) Group.

Key - 2 degrees of separation

Red Authors names represent relationship with other EHC members

Blue Authors names represent relationship with non-EHC members that are jointly shared by EHC Experts

Note: No Effect/Effect/Uncertain Effect/Review Meta Analysis columns show the number of papers that each participant has authored or co-authored

| EHC Core Group | Associations | Country | No Effect | Effect | Uncertain Effect | Review/ Meta Analysis | Co-Authored papers with | Research | Study Funding | Qualifications |
|-----------------------|---|---------|-----------|--------|------------------|-----------------------|--|--|--|---|
| Feychting M | Vice-Chair ICNIRP, AGNIR, SSI (Scientific Secretary) | SWE | 13 | 1 | 3 | 8 | Ahlbom A., Kheifets L., Johansen C., Roosli M., Lonn S., Schoemaker MJ. | Co Author on papers looking at brain tumour risks, amyotrophic lateral sclerosis (ALS) | ICNIRP, Government and Industry Government Agencies Mobile Manufacturers Forum, GSM Association UK International Union against Cancer (UICC) Electric Power Research Institute (EPRI) | Epidemiologist Professor of Epidemiology at the Institute of Environmental Medicine, Karolinska Institute, Stockholm |
| Mann SM. | ICNIRP, HPA/AGNIR, IARC Working Group 2011 | GBR | 0 | 0 | 0 | 3 | Peyman A, Cardis E. | Co-authored a number of papers relating to dosimetry | Government Agency and Industry Health Protection Agency, Centre for Radiation Chemical and Environmental Hazards, Didcot, UK GSM Association French Telecom Mobile Manufacturer Forum and the UK's Mobile Telecommunication and Health Research Program (MTHR). MTHR received funding from Vodafone. | Electrical Engineer Heads the Physical Dosimetry Department at Public Health England's Centre for Radiation, Chemical and Environmental Hazard |

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|-----------------------|-------------------------------|---------|-----------|--------|------------------|-----------------------|--|--|--|--|
| van Rongen E. | Chair ICNIRP | NLD | 0 | 0 | 0 | 4 | Oftedal G., Rubin J., Hillert L., Nieto-Hernandez R., Croft R., Verschaeve L. | Co-authored a number of papers reviewing scientific literature looking for adverse health effects, review of provocation studies. | Government Agency and Industry EU COST MTHR - funded by Government and Industry (firewalled) | Radiobiologist working as Senior Scientific Staff Member with the Health council of the Netherlands |
| Scarfi M.R. | Former ICNIRP member, SCENIHR | ITA | 10 | 6 | 0 | 1 | Marino C., Vijayalaxmi., Zeni O., Sannino A., | Co-authored a number of papers showing effect - positive - adaptive responses (4 Effect papers). Also, is the main author of study that found RF does not affect micronucleus frequency and cell proliferation in human peripheral blood lymphocytes | Institution, Government and Industry Funding EU Italian Agency for Environmental Protection and Technical Services TIM—Telecom Italia Mobile Food and Drug Administration (FDA), USA & Cellular Telecommunications & Internet Association | Biologist/Biophysicist Co-director of the Course "Genotoxic effects of Electromagnetic Fields", International School of Bioelectromagnetics, Erice |
| Zmirou D. | | FRA | 0 | 0 | 0 | 0 | | No papers authored or co-authored in ORSAA database on EMR. But has written papers on other pollutants and health risk assessments | | Medical Doctor Professor Public Health Laboratory, School of Medicine, Nancy University, France |

| Additional EHC Experts | Associations | Country | No Effect | Effect | Uncertain Effect | Review/ Meta Analysis | Co-Authored papers with | Research | Study Funding | Qualifications |
|------------------------|--|---------|-----------|--------|------------------|-----------------------|---|---|--|--|
| Aicardi G. | | ITA | 1 | 0 | 0 | 0 | Member of the World Health Organization Team of Experts | Co-author of paper on VGCCs in rat cortical neurons | Government EU (European Commission & Scientifica e Tecnologica) | Pharmacology and Physiology Department of Human and General Physiology, University of Bologna, Italy Department of Physics, University of Bologna, Italy |
| Challis L. | Formerly AGNIR (recently deceased) Chair of Management Committee of the UK Mobile Telecommunications and Health Research Programme (MTHR) | GBR | 0 | 0 | 0 | 1 | Foster K. | Investigated interaction of radiofrequency (RF) fields with biological tissue can involve either electric or magnetic fields. | Government and Industry funding MTHR (reportedly acts as a firewall between Industry and Researchers) | Physicist University of Nottingham, Nottingham, United Kingdom |
| Curcio G. | | ITA | 2 | 6 | 0 | 1 | | Positive study showing improved reaction times, a few "Effect" EEG studies | Government, Institutional and Industry funded studies Telecom Italia Mobile Motorola supplied equipment for a number of studies - but no conflict of interest specified | Psychologist Department of Psychology, "La Sapienza" University of Rome, Via dei Marsi Rome, Italy |
| Hug K. | | CHE | 1 | 0 | 0 | 5 | Frei P., Roosli M., Huss A, Schüz J. | Involved in a number systematic review studies looking at RF and health | WHO and Institution Funded | Institute of Social and Preventive Medicine at Swiss Tropical Institute Basel |

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| Juutilainen J. | ICNIRP, IARC Working Group 2011, SCENIHR | FIN | 7 | 7 | 4 | 4 | Verschaeve L., van Rongen E. | Improved Learning and memory (Positive Effect), co-authored a number of review studies, looked at oxidative stress and DNA damage from RF | Government, Institution and Industry EU funding Nokia; Finnish 2G; Elisa Communications Corporation Finnish Government Finnish mobile phone manufacturers and operators GSM Association, UK/Ireland Mobile Manufacturers Forum (MMF) | Radiation biology and epidemiology Department of Environmental Science, University of Eastern Finland, Kuopio, Finland |
| Lagorio S. | | ITA | 2 | 0 | 1 | 6 | Feychting M., Johansen C., Cook A., Schoemaker M., Rösli M. | Co-authored a number of papers including involvement with Interphone study, and a number of risk assessment and analysis of Gliomas. Author of Mobile phone use and risk of intracranial tumors: A consistency analysis | Government and Industry Funding EU European Fifth Framework Program, and the International Union against Cancer (UICC). The UICC received funds for this purpose from the Mobile Manufacturers' Forum and GSM Association Verum Foundation | Epidemiology National Institute of Health, Viale Regina Elena |
| Loughran S. | ICNIRP | AUS | 1 | 4 | 2 | 1 | Croft R., McKenzie R. | EEG and sleep studies. Effect Positive for reaction times | Government and Industry Funding NHMRC (Australia) Electric Power Research Institute (EPRI) Some co-authors are associated with Industry (Telstra Labs and AMTA) GSM Association (UK) Swiss Natural Science Foundation | Psychophysiology/ Cognitive Neuroscience Australian Centre for Radiofrequency Bio-effects Research Brain Sciences Institute, Swinburne University of Technology |

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| Marino C. | ICNIRP | ITA | 13 | 0 | 2 | 2 | Galloni P., Lovisolo GA., Scarfi MR., Ravazzani P. | Co-author looking at Oxidative Stress, Neural Degeneration. Author looking at evidence looking at animal and cell studies. | Government and Industry Funding Food and Drug Administration (FDA), USA & Cellular Telecommunications & Internet Association, USA GSM Association, UK/Ireland & Mobile Manufacturers Forum (MMF), Belgium Ministry of University and Research), Italy MIUR/CNR-ENEA EPHE (École Pratique des Hautes Études) European Project GUARD | Biological sciences in Faculty of Sciences of "La Sapienza" University of Rome Unit of Radiation Biology and Human Health, ENEA, Casaccia Research Centre, Rome, Italy |
| McNamee J. | Health Canada, IARC Working Group 2011 | CAN | 8 | 0 | 0 | 1 | Lavallee BF., Bellier PV., Chauhan V. | Co-authored and authored papers looking at Gene expression, DNA Damage | Government and Industry Funding Health Canada Canada Department of Defence Hydro Quebec | Consumer and Clinical Radiation Protection Bureau, Product Safety Programme, Canada |
| Naarala J. | | FIN | 3 | 9 | 2 | 1 | Scarfi MR., Höytö A. | No papers as main author in ORSAA database on EMR. But has been co-author in many studies looking at oxidative stress, Ornithine decarboxylase activity, apoptosis, Cell proliferation and DNA damage | Government, Institution and Industry EU Finnish mobile phone manufacturers and operators & Tekes (National Technology Agency), Finland & GSM Association, UK/Ireland Nokia; Finnish 2G; Elisa Communications Corporation Mobile Manufacturers Forum (MMF) Finnish Cultural Foundation of Northern Sav | Biological sciences Adjunct professor University of Eastern Finland |

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|------------------------|---------------------------------|---------|-----------|--------|------------------|-----------------------|---|---|--|---|
| Peyman A. | AGNIR | GBR | 0 | 0 | 1 | 1 | Mann SM. | Dosimetry | Government | Medical Engineering and Physics Medical Department, Health Protection Agency Kings College London |
| Röösli M. | ICNIRP, IARC Working Group 2011 | CHE | 7 | 8 | 6 | 14 | Frei P., Huss A., Johansen C., Schüz J., Repacholi M., Hug K., Roser K. | Intracranial Tumours, Subjective Symptoms, Behaviour, cognitive performance and well-being, Systematic reviews looking at Neuro degeneration, wellbeing and how funding effects results | Government, Institution and Industry Swiss Federal Office of Energy Swisscom Swiss National Science Foundation Federal Office of Public Health Electric Power Research Institute (EPRI) EU Swedish Radiation Protection Authority | Epidemiologist/ Physicist Professor for environmental epidemiology at the Swiss Tropical and Public Health Institute in Basel and leads the Environmental Exposures and Health Unit. He has a background in atmospheric physics and a PhD in environmental epidemiology. |
| Rubin G.J. | AGNIR | GBR | 2 | 1 | 2 | 5 | Oftedal G., Hillert L, van Rongen E., Wessely S., Nieto-Hernandez R., Baliatsas C. | Subjective Symptoms, Hypersensitivity, Idiopathic environmental intolerance, provocation studies, Study review of EHS studies | Government, Institution and Industry Mobile Telecommunications and Health Research (MTHR) programme receives funding from Government and Industry. MTHR is supposed to act as firewall. UK National Institute for Health Research Kings College European Co-operation in Science and Technology (COST) | Psychologist Kings College |

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|------------------------|---------------------------------|---------|-----------|--------|------------------|-----------------------|---|---|---|--|
| Schoemaker M. | | GBR | 7 | 0 | 0 | 1 | Freychting M., Johansen C., Ahlbom A. | Co-author in a number of Case Control studies looking at Meningioma, gliomas, acoustic neuroma and author of study looking at pituitary tumour | Government and Industry EU- European Commission fifth framework program Mobile Telecommunications and Health (MTHR) Programme. GSM Association Mobile Manufacturers Forum (MMF) UK network operators (O2, Orange, T-Mobile, Vodafone, 3) | PhD. Public Health Medicine Masters degrees in Radiation Biology and medical statistics Institute of Cancer Research, Section of Epidemiology |
| Selmaoui B. | | FRA | 1 | 1 | 0 | 2 | de Seze R. | No papers in ORSAA database with Selmaoui as main author. A number of co-authored papers covering these topics: disturbed sleep, idiopathic environmental intolerance, circadian rhythm and EEG | Government French Ministry of Ecology and Sustainable Development French National Research Program for Environmental and Occupational Health of ANSES | |
| de Sèze R. | ICNIRP, IARC Working Group 2011 | FRA | 3 | 12 | 0 | 2 | Selmaoui B., Verschaeve L., Juutilainen J., van Rongen E. | Co-authored papers - energy saving effects, blood flow, cognitive function, glial activity, stress response, metabolism, neural activity, memory, hormones, EEG | Government and Industry ANSES Motorola The Health and Radiofrequencies Foundation Ministry of Ecology, Energy, Sustainable Development France Telecom R&D, French Ministry of Research Bouygues Telecom and Ministry of Ecology | Biophysicist Laboratory of Medical Biophysics, Faculty of Medicine, Nimes, France INERIS, the French National Institute for Environment and Industrial Risk Dr René de Seze has received many research grants funded by France Télécom and Bouygues Télécom. He also worked for Motorola. |

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| Sienkiewicz Z.J. | ICNIRP, AGNIR, MTHR | GBR | 1 | 0 | 0 | 2 | van Rongen E., Croft R., Schüz J. | Authored papers looking at health risk assessment of RF, spatial memory performance and thermal damage | Government Health Department US Airforce (Brooks AFB) European Union Programme for Employment and Social Innovation | Physiologist Public Health England, Centre for Radiation, Chemical and Environmental Hazards Member of the Programme Management Committee of the UK Mobile Telecommunications and Health Research (MTHR) Programme |
| Simko M. | | DEU | 2 | 0 | 2 | 2 | Hartwig C., Lantow M., Mild KH. | Co-authored papers looking at cell kinetics and apoptosis, Reactive Oxygen Species and HSP expression. Co-authored reviews looking at neuro-degenerative diseases and inflammation | Government and Industry Federal Office for Radiation Protection DMF (German Mobile Telecommunication Research Programme) like MTHR receives funding from Government and network operators | University of Rostock, Institute of Cell Biology and Bio-systems Technology |
| Vijayalaxmi V. | IARC Working Group 2011 | USA | 9 | 6 | 0 | 3 | Scarfi MR., Prihoda TJ., Roti Roti JL., Meltz ML., Zeni O. | Co-authored and authored papers on DNA damage, Micronuclei induction, adaptive responses | Government, Institution and Industry US Airforce Motorola European Commission GSM Association Mobile Manufactures Forum Richard J. Fox Foundation (public not for profit) National Institute of Nuclear Physics Swinburne University of Technology, Australia | Department of Radiation Oncology and Department of Pathology |

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| Zeni O. | | ITA | 6 | 4 | 0 | 0 | Scarfi MR., Vijayalaxmi., Sannino A. | Co-authored studies looking at genotoxicity on cells by RF as well as adaptive responses. Reactive Oxygen Species was also a topic (main author) | Government, Institution and Industry National Institute of Nuclear Physics (INFN) Italian Consortium ELETTRA 2000 & CEMFEC TIM—Telecom Italia Mobile European Union (EU)/European Commission | Biologist CNR-Institute for Electromagnetic Sensing of Environment |
| Totals | | | 99 | 65 | 25 | 70 | 60% No Effect versus 40% Effect is not matching reality of what literature is showing - suggests WHO has bias in its expert selection criteria. | | | |

| Co-Author Relationships with above scientists | | | | | | | | | | |
|---|---------------|---------|-----------|--------|------------------|-----------------------|---|--|---|--|
| Researcher | Affiliation | Country | No Effect | Effect | Uncertain Effect | Review/ Meta Analysis | Research | Comments | Funding | Qualifications |
| Croft R. | ICNIRP, ACEBR | AUS | 2 | 12 | 3 | 5 | Authored and co-authored studies looking at RF effects on Cognitive Behaviour, Reaction Times and EEG spectral analysis. Authored a paper on brain tumours but is not an oncologist | Links with Industry and Industry affiliated researchers (EPRI, Telstra Labs) | Government, Institution and Industry GSM Association (UK) National Health and Medical Research Council (NHMRC) Clarus Products International Telstra Research Laboratories provided equipment and technical assistance Electric Power Research Institute (EPRI) | Psychologist Brain and Behaviour Research Institute, University of Wollongong Director of the Australian Centre for Electromagnetic Bio-effects Research ICNIRP Biology Standing Committee and Main Commission member |
| Kheifets L. | ICNIRP, SSI | USA | 8 | 3 | 4 | 7 | Authored and co-authored studies looking health effects, tumours, behavioural problems in children, neurodegenerative diseases, occupational exposures | Authored papers with van Deventer (Head of WHO EMF project) and Repacholi. Links with Industry (EPRI). Has previously been taken by Microwave news to task as purveyor of "industry misinformation". Microwave news also published a longer article about their anti-science propaganda sponsored by ENA, the Energy Networks Association http://microwavenews.com/news-center/lost-opportunities | Government, Institution and Industry Electric Power Research Institute and Utilities (Palo Alto, CA) California and Southern California Edison National Cancer Institute National Institute of Health and National Institute of Environmental Health Sciences USA Lundbeck Foundation (Industry) Lundbeck is a global pharmaceutical company Brazilian Electricity Regulatory Agency (ANEEL), Brazil Energy Networks Association, UK ICNIRP | Epidemiologist Professor of Epidemiology at the UCLA School of Public Health |

| Researcher | Affiliation | Country | No Effect | Effect | Uncertain Effect | Review/ Meta Analysis | Research | Comments | Funding | Qualifications |
|---------------|--|---------|-----------|--------|------------------|-----------------------|--|---|---|--|
| Ahlbom A. | ICNIRP (Former member), SSI (Chairman) | SWE | 5 | 1 | 1 | 6 | Authored or co-authored review studies, pooled analysis studies looking at Leukaemia and ELF, Gliomas and mobile phone usage, various brain tumours and risk | Was removed from IARC panel due to potential conflict of interest. Was the Chairman of IARC panel. Ahlbom was a director of his brother's consulting firm, Gunnar Ahlbom AB. The company, which is based in Brussels, the European capital and a center for lobbyists, was established to help clients on telecom issues. | Government, Institution and Industry ICNIRP European Union Fifth Framework Program Swedish Research Council International Union against Cancer (UICC) UICC received funds for this purpose from the Mobile Manufacturers' Forum and GSM Association UK Mobile Telecommunications and Health (MTHR) Programme Karolinska Institute Electric Power Research Institute California and Southern California Edison Swedish Radiation Safety Authority | Epidemiologist Department of Epidemiology, Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden |
| McKenzie R. | AMTA (Australian Mobile Telephone Association) | AUS | 3 | 6 | 1 | 4 | Works closely with Croft R. Wood A. and Karipidis K. (ARPANSA) | Industry representative (AMTA) connection with Telstra Labs | Government, Institution and Industry NHMRC GSM Association (UK) Swinburne University of Technology Telstra Labs | |
| Verschaeve L. | IARC Working Group 2011 | BEL | 4 | 3 | 1 | 2 | Has authored or co-authored studies looking at cytogenetic/genotoxic effects. | | Government and Industry BELGACOM (Proximus Group is the largest telecommunications company in Belgium) European Commission | Biomedical Specialist Cancer Research, Molecular Biology, Cell Biology |

| Researcher | Affiliation | Country | No Effect | Effect | Uncertain Effect | Review/ Meta Analysis | Research | Comments | Funding | Qualifications |
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| Oftedal G. | ICNIRP Member | NOR | 5 | 2 | 1 | 2 | Has authored and co-authored papers looking at EHS | | Government and Industry UK's Mobile Telecommunications and Health Research programme Norwegian Post and Telecommunication Authority (NPT) Swedish Mobile Telecommunications Industry (MTB; MobilTeleBranschen). Ministry of Defence | Biophysicist Norwegian University of Science and Technology |
| Frei P. | | DNK | 8 | 0 | 1 | 4 | Has authored and co-authored papers looking at Genotoxicity, health effects associated with mobile phone base stations, incidence of brain tumours and mobile phone usage (Danish) | | Government, Institution and Industry National Science Foundation Danish Energy Agency (Energistyrelsen) Electric Power Research Institute (EPRI) TeleDanmark Mobil (TDC Mobil) UK Mobile Telecommunications and Health Research (MTHR) WHO Danish Energy and by the Danish Cancer Society Fondation Santé et Radiofréquences | Epidemiologist Danish Cancer Society Research Centre |

| Researcher | Affiliation | Country | No Effect | Effect | Uncertain Effect | Review/ Meta Analysis | Research | Comments | Funding | Qualifications |
|------------|--|---------|-----------|--------|------------------|-----------------------|---|----------|---|--|
| Schüz J. | Section Head of IARC Bioelectromagnetics Society (currently as President), SCENIHR | DEU | 19 | 2 | 13 | 12 | Has authored and co-authored case controlled papers looking at brain tumours and mobile phone usage, environmental risk factors associated with cell towers and mobile phones, ELF fields and childhood leukaemia | | <p>Government, Institution and Industry</p> <p>Danish Energy and by the Danish Cancer Society</p> <p>Institute of Cancer Epidemiology</p> <p>Swiss Research Foundation on Mobile Communication</p> <p>Swiss Federal Office of Public Health</p> <p>European Union</p> <p>Electric Power Research Institute (EPRI)</p> <p>TeleDanmark Mobil (TDC Mobil)</p> <p>Federal Office for Radiation Protection (BfS)</p> <p>International Union against Cancer (UICC). The UICC received funds for this purpose from the Mobile Manufacturers' Forum and GSM Association.</p> | <p>Epidemiologist</p> <p>Danish Cancer Society</p> <p>Research Centre</p> |