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## Researcher - Sensors Job Description

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### SHORT DESCRIPTION

An exciting opportunity has become available in a fast growing, well established gas detection sensor and instrumentation company.

This job centres on the discovery, testing and development of world class gas sensors as well as the wider techniques and technologies that support gas sensing and detection. It is suitable for someone with relevant qualifications in Chemistry, Physics, Materials Science or a related discipline who demonstrates a keen interest in science and technology.

This hands-on, practical role will be based in ION's brand new Technology Centre.

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### THE ROLE

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**The Role will report to the R&D Director and will involve the following:**

- Hands on work in a laboratory environment handling gases, chemicals, electronics, gas delivery systems and test equipment
  - Running research experiments and characterising the performance of sensors
  - Undertaking batch tests over extended periods to assess lifetime
  - Performing manual measurements, use of dataloggers
  - Data analysis
  - Writing experimental methods, scientific and test reports
  - Organisation and maintenance of lab equipment and inventory
  - Working collaboratively with senior members of the team
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### THE PERSON

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**This is a hands-on role and the person appointed will be expected to:**

- Maintain high levels of focus
- Have exceptional attention to detail
- Be capable of working independently as well as within a team
- Be able to work on their own initiative
- Demonstrate a diligent attitude to health and safety/ safe working practices
- Support and embody ION's core values

Pioneering Gas Sensing Technology.

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## TECHNICAL QUALITIES

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- Previous experience of gas sensing, sensors or related techniques e.g. gas chromatography an advantage
  - Use of laboratory tools and equipment such as fume hoods, gas regulators, vacuum systems, power supplies, data loggers, mass flow controllers
  - Experience in the handling and storage of hazardous chemicals and bottled gases
  - Basic understanding of electronics e.g. use of Arduino controllers and Python
  - Degree or HND level qualifications in a relevant subject e.g. Physics, Chemistry, Materials Science or a related discipline
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### COMPANY BENEFITS:

- 25 days annual leave + Bank Holidays (annual holiday increasing with service)
- Pension Scheme – Employer contribution of 8% following a successful probation
- Life Assurance Scheme
- Private Medical Scheme with AXA

### WORKING PATTERN:

Monday to Thursday: 08:30 – 17:00

Friday: 08:30 – 15:45

Full time, permanent position

### LOCATION:

This role is based at the ION Science head office, located in Fowlmere, 10 miles south of Cambridge.

### Our Core Values:



Fun



Embrace  
change



Respectful



Responsive



Challenge the  
status QUO



Committed

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