President Juncker European Commission Rue de la Loi / Wetstraat 200 1049 Brussels

19 October 2018

Dear President Juncker

Scientific research and innovation are crucial for tackling the many shared challenges we face, including treating disease, generating clean energy, building the digital industries of the future, protecting the environment and ensuring an adequate and affordable supply of food. However, to meet these challenges for everyone's benefit, science needs to flourish and that requires the flow of people and ideas across borders to allow the rapid exchange of ideas, expertise and technology.

Europe was the home of the enlightenment and the birthplace of modern science, but partly as a result of two devastating internecine wars in Europe in the 20th century, it suffered a decline relative to the USA. However, this decline has been reversed in the last few decades as a result of the ease of collaboration nurtured by the EU through its many initiatives and programmes, which have greatly benefited European science. Creating new barriers to such ease of collaboration will inhibit progress, to the detriment of us all. Many of us in the science community therefore regret the UK's decision to leave the European Union because it risks such barriers.

All parties in the negotiations on the UK's departure from the EU must now strive to ensure that as little harm as possible is done to research. It is widely recognised that investing in research and innovation are increasingly crucial for shaping a better European future. In a recent speech, Prime Minister May restated her desire for the UK to have a 'deep science partnership with the European Union'. We must not allow the UK or the EU to become more insular in our approach to each other.

By deciding to leave the EU, the UK has given up its right to participate in EU research and innovation programmes. It must now step up its commitment to those programmes if it wants to remain involved. For the EU it is vital that it makes international cooperation a trademark of its research and innovation programmes. That means acting on Pascal Lamy's report for the European Commission on maximizing the impact of EU research and innovation programmes which calls for opening up the programmes to 'association by the best and participation by all', based on a financial contribution that is fair to all.

The challenges we face must be tackled in a manner that benefits everyone and those challenges are better faced together. Only a deal which allows the closest possible cooperation between the UK and the EU, now and in the future, will make that possible.

Yours Sincerely

| Jules Hoffmann | Paul Nurse |
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| Nobel Prize in Physiology or Medicine | Nobel Prize in Physiology or Medicine |

| Christiane Nüsslein-Volhard | Venki Ramakrishnan |
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| Nobel Prize in Physiology or Medicine | Nobel Prize in Chemistry |
| Klaus von Klitzing | Michael Atiyah |
| Nobel Prize in Physics | Fields Medal |
| Claude Cohen-Tannoudji | Paul J Crutzen |
| Nobel Prize in Physics | Nobel Prize in Chemistry |
| Jacques Dubochet | Simon Donaldson |
| Nobel Prize in Chemistry | Fields Medal |
| Albert Fert | Gerhard Ertl |
| Nobel Prize in Physics | Nobel Prize in Chemistry |
| Timothy Gowers | John Gurdon |
| Fields Medal | Nobel Prize in Physiology or Medicine |
| Martin Hairer | Serge Haroche |
| Fields Medal | Nobel Prize in Physics |
| Harald zur Hausen | Stefan W Hell |
| Nobel Prize in Physiology and Medicine | Nobel Prize in Chemistry |
| Richard Henderson | Avram Hershko |
| Nobel Prize in Chemistry | Nobel Prize in Chemistry |
| Gerardus 't Hooft | Robert Huber |
| Nobel Prize in Physics | Nobel Prize in Chemistry |
| Jean-Marie Lehn | Tomas Lindahl |
| Nobel Prize in Chemistry | Nobel Prize in Chemistry |
| Pierre-Louis Lions | Hartmut Michel |
| Fields Medalist | Nobel Prize in Chemistry |
| Edvard Ingjald Moser | Erwin Neher |
| Nobel Prize in Physiology or Medicine | Nobel Prize in Physiology and Medicine |
| Kostya Novoselov | John O'Keefe |
| Nobel Prize in Physics | Nobel Prize in Physiology or Medicine |
| Christopher A. Pissarides | Peter Scholze |
| Nobel Memorial Prize in Economic Sciences | Fields Medalist |
| John E. Walker | Kurt Wüthrich |
| Nobel Prize in Chemistry | Nobel Prize in Chemistry |
| Ada Yonath Nobel Prize in Chemistry | |

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