AGEING RESEARCH REVIEWS

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As the average human life expectancy has increased, so too has the impact of ageing and age-related disease on our society. Ageing research is now the focus of thousands of laboratories that include leaders in the areas of genetics, molecular and cellular biology, biochemistry, and behaviour. Ageing Research Reviews (ARR) covers the trends in this field. It is designed to fill a large void, namely, a source for critical reviews and viewpoints on emerging findings on mechanisms of ageing and age-related disease. Rapid advances in understanding of mechanisms that control cellular proliferation, differentiation and survival are leading to new insight into the regulation of ageing. From telomerase to stem cells to energy and oxyradical metabolism, this is an exciting new era in the multidisciplinary field of ageing research. The cellular and molecular underpinnings of manipulations that extend lifespan, such as caloric restriction, are being identified and novel approaches for preventing age-related diseases are being developed.ARR publishes articles on focussed topics selected from the broad field of ageing research, with an emphasis on cellular and molecular mechanisms of the aging process and age-related diseases such as cancer, cardiovascular disease, diabetes and neurodegenerative disorders. Applications of basic ageing research to lifespan extension and disease prevention are also covered in this journal.

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INTRODUCTION

As the average human life expectancy has increased, so too has the impact of ageing and age-related disease on our society. Ageing research is now the focus of thousands of laboratories that include leaders in the areas of genetics, molecular and cellular biology, biochemistry, and behaviour. Ageing Research Reviews (ARR) covers the trends in this field. It is designed to fill a large void, namely, a source for critical reviews and viewpoints on emerging findings on mechanisms of ageing and age-related disease. Rapid advances in understanding of mechanisms that control cellular proliferation, differentiation and survival are leading to new insight into the regulation of ageing. From telomerase to stem cells to energy and oxyradical metabolism, this is an exciting new era in the multidisciplinary field of ageing research. The cellular and molecular underpinnings of manipulations that extend lifespan, such as caloric restriction, are being identified and novel approaches for preventing age-related diseases are being developed. ARR publishes articles on focussed topics selected from the broad field of ageing research, with an emphasis on cellular and molecular mechanisms of the aging process and age-related diseases such as cancer, cardiovascular disease, diabetes and neurodegenerative disorders. Applications of basic ageing research to lifespan extension and disease prevention are also covered in this journal.

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