



Home Office

NON-TECHNICAL SUMMARY

Project duration

0 months

5 years

£100,000

£100,000

(a) Basic research

Key-words

metabolism, epigenetics, ageing

:KDW V WKH DLP RI WKLW SURMHFW"

3RWHQWLDO EHQHILWV OLNHO\ WR GHULYH IURP WKH S
RU KRZ KXPDOV DQLPDOV RU WKH HQYLURQPHQW PLJKW
ZLWKLO WKH GXUDWLRO RI WKH SURMHFW RU OROJ WHL
ILQLVKHG

:K\ LV LW LPSRUWDQW WR XQGHUWDNH WKLW ZRUN"

%LRVFLHQFH IRU DQ LQWHJUDWHWRXQGHUWDOGLQJH RRD
XQGHUVWDOGLQJ RI NH\ ELRORJLFDO PHFKDQLVPV XQGH
DJHLQJ

+RZ ZLOO \RX ORRN WR PD[LPLVH WKH RXWSXWV RI WK



([SHFWHG VHYHULW\ FDWHJRULHV DQG WKH SURSRUWLR



:K\ ZHUH WKH\ QRW VXLWDEOH"

5 H G X F W L R Q

([SODLQ KRZ WKH QXPEHUV RI DQLPDOV IRU WKLV SURM
EHHQ WDNHQ WR UHGXFH DQLPDO QXPEHUV DQG SULQF
SUDFWLFHV WKDW DUH XVHG WKURXJKRXW WKH SURMHF
REMHFWLYHV LI DQ\ 7KHVH PD\ LQFOXGH H J SLORW
DQG UHXVH

+RZ KDYH \RX HVWLPDWHG WKH QXPEHUV RI DQLPDOV \

:KDW VWHSV GLG \RX WDNH GXULQJ WKH H[SHULPHQWD
EHLQJ XVHG LQ WKLV SURMHFW"

H[YLY

:KDW PHDVXUHV DSDUW IURP JRRG H[SHULPHQWDO GHV
DQLPDOV \RX SODQ WR XVH LQ \RXU SURMHFW"



5 H I L Q H P H Q W

*LYH H[DPSOHV RI WKH VSHFLILF PHDVXUHV H J LQFU
PDQDJHPHQW WUDLQLQJ RI DQLPDOV WR EH WDNHQ L
FRVWV KDUPV WR WKH DQLPDOV 'HVFULEH WKH PHFK
UHILQHPHQW WHFKQLTXHV GXULQJ WKH OLIHWLPH RI WI

:KLFK DQLPDO PRGHOV DQG PHWKRGV ZLOO \RX XVH GXI
DQG PHWKRGV FDXVH WKH OHDVW SDLQ VXIIHULQJ GL'

+RZ ZLOO \RX UHILQH WKH SURFHGXUHV \RX UH XVLOJ
DQLPDOV"

— @ À üPDOWH ðAÕRPA À p QLTÀ F°L`P VLRkZOR"V° PLF° @C DI
