Patent	Assignee	Subject
WO 2011130400	Brigham Young University	A method of enhancing resveratrol activity by administering 4-acetoxy-resveratrol; useful for the treatment of conditions mediated by sirtuins, oestrogen or anti-oestrogen hormones
US 2011251104	C. Ozbal & W. LaMarr	A method for the quantitative determination of sirtuin activity through the quantification of the acetyl-ADP ribose product; various substrates such as peptides, intact proteins or protein complexes can be used
WO 2012006391	Cornell University	Describes sirtuin 5, a mitochondrial sirtuin, which is an efficient demalonylase and desuccinylase; also includes assays that can be used to identify sirtuin 5 modulators
WO 2011146636	Cornell University	A method of preparing a sirtuin complex (containing a sirtuin, a sirtuin substrate comprising a thioamide moiety and NAD^+) and using this to detect a sirtuin in a sample
EP 2361618 US 2012029065	Harvard College	Compounds and methods that modulate sirtuin levels and increase or decrease fat accumulation; useful for treating obesity and insulin resistance disorders
EP 2362226	Harvard College	A method for diagnosing neurodegenerative diseases based on measurement of sirtuin 1 levels or activity
WO 2012001245 US 2011318284	ISP Investments	Sirtuin 6-activating peptides that can prevent and/or repair damage to DNA, improve telomere maintenance and reduce cellular ageing
US 2011319317 and three others	OPKO CURNA	Antisense oligonucleotides that modulate the expression and/or function of sirtuin 1 by targeting natural antisense polynucleotides of sirtuin 1
US 2011110913	R. S. Grant *et al.*	A method of inducing NAD^+ synthesis that involves administering resveratrol to increase the activity of poly(ADP-ribose) polymerase and sirtuins
WO 2011116176	Sirtris	3-substituted imidazo(4,5-*b*)pyridines and analogues that are useful in ageing and stress
EP 2403833	Sirtris	8-substituted quinolines and related analogues that act as sirtuin modulators
US 2011124637	Sirtris	Benzimidazoles and related analogues that act as sirtuin modulators
US 2012108585	Sirtris	Benzoxazoles, benzothiazoles and related analogues
WO 2011059839	Sirtris	Bicyclic pyridines and analogues; useful in ageing, stress, diabetes and obesity
US 2011257174	Sirtris	Chromenone analogues that act as sirtuin modulators
EP 2388263	Sirtris	Imidazo[2,1-*b*]thiazole derivatives
US 2011319411*	Sirtris	Isoindolinone and related analogues that act as sirtuin modulators
EP 2373646	Sirtris	Phthalazinone and related analogues that act as sirtuin modulators
US 2011263564*	Sirtris	Pyridine, bicyclic pyridine and related analogues that act as sirtuin modulators
US 2011306609*	Sirtris	Quinazolinone, quinolone and related analogues that act as sirtuin modulators
US 2011113498	Sirtris	Sirtuin 1 polymorphic variants that have a substitution at amino acid residue 107 or nucleotide 373
WO 2011130595	Sirtris	Assays that can be used for identifying compounds that modulate sirtuin deacetylase activity on a fluorescence-free activation substrate *in vitro*
US 2012022254	Sirtris	Sirtuin-modulating compounds; useful in ageing, stress, diabetes and obesity
US 2011306609*	Sirtris	Thiazolopyridine-based sirtuin-modulating compounds
WO 2012024189	University of California	A method of detecting a single nucleotide polymorphism at rs11246020 in the sirtuin 3 gene that is associated with metabolic syndrome

*Sirtris also holds corresponding EP patents.