he autism gene driving Elon and the rest of us on

Unconventional thinkers such as the Tesla boss, who has just revealed he is autistic, have turbocharged human evolution and ingenuity for 100,000 years, says Simon Baron-Cohen

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ast weekend Elon Musk, the billionaire head of Tesla, announced during his slothosting the Mareican comedy show Saturday Night Live that he has Asperger syndrome. This came as no surprise to me. In my book The Pattern Seekers, I present evidence for a new theory how a deel ment of the surprise to me. In my book The Pattern Seekers, I present evidence for a new theory how a deel ment of the surprise this being a disability of the surprise this being a disability of the genes for autism have driven human progress for 100,000 years.

Anecdotally, Musk, 49, is in good company. Thomas Edison, who invented the electric lightbulb, questioned everything as a child, couldn't fit into mainstream school and became obsessed with his chemistry experiments and with Morse code, even naming his children Dot and Dash. According to the Netflix documentary Inside Bill's Brain: Decoding Bill Gates, as a teenager Bill Gates surgiled with social skills. Gates also speaks about knowing every car in the Microsoft office car park by its number plane, so the could tell who was coming or going. And the piano genius Glenn Gould would eat the same endiner each night, and had to have the same chair in each performance, when the same dimer each night, and had to have the same chair in each performance when the same dimer each night, and had to have the same chair in each performance when the same time in the same dimer each night, and had to have the same chair in each performance when the same time in the same dimer each night, and had to have the same was difficulties in social relationships and communication, and in adjusting to unexpected change. It also involves unusually narrow interests and a strong need for predictability, routine and repetition. Autistic people also have heightened attention to detail. Asperger syndrome was the term used for autism in individuals who have no learning difficulties in social relationships and communication, and in adjusting to unexpected change. It also involves unusually narrow interests and a strong

mathematics – have a higher number of autistic traits than those who do not. If the link between systemising and autism is genetic, then autism should be more common in places such as Silicon Valley, where those with an aptitude for systemising flock to work, meet and raise families. We tested this prediction in

Eindhoven, the Silicon Valley of the Netherlands. Autism was more than twice as common there as in some other Dutch cities.

We then worked with the DNA-testing firm 23andMe and tested 50,000 people to see if there was an overlap between the common genetic variants associated with autism. Sure enough, there was. The working was 26 per cent.

Some of the "autism" genes don't just provide the code for autism; they also code for the talent for systemising. Twenty years ago I helped set up the Chitra Sethia Autism Centre in Cambridge, one of the first clinics in the world for adults with suspected autism who had missed out on a diagnosis in childhood. We call them the "lost generation". Many of them have underachieved academically and are unemployed. Unsurprisingly many of them have developed poor mental health, having been bullied at school for being different and have felt excluded by society.



Musk revealed that he has Asperger syndrome on Saturday Night Live

People in **Stem jobs** often have autistic

traits

But now schools and companies are recognising neurodiversity – the idea that brains come in many types. Richard Branson, who has dyslevia, invests in the IT consultancy Auticon, which employs only autistic people. GCHQ, the UK's signals intelligence service, actively encourages autistic people and the process of the pix track codes in the fight against terrorism, cybercrime and espionage.

On Thursday night, Dara McAnulty, an autistic 17-year McAnulty, an autistic 17-year of the year prize at the British Book Awards. And at Harry Specters chocolaterie in Bit, Cambridgeshire, autistic people, some of whom have additional learning or language difficulties, devise recipes and make chocolates with exquisite precision.

We need to include, support and accept autistic people. My hope is that Musk will serve as a model and help remove the stigma. Exciting innovation is often the result when we give space and opportunity to people who are less interested in 50llowing the social norms and who instead think, "What if we took x and did y - then what would happen?"

Simon Baron-Cohen is a professor of developmental psychopathology and the director of the Autism Research Centre at Cambridge University. The Pattern Seekers: A New Theory of Human Invention is published by Penguin Random House