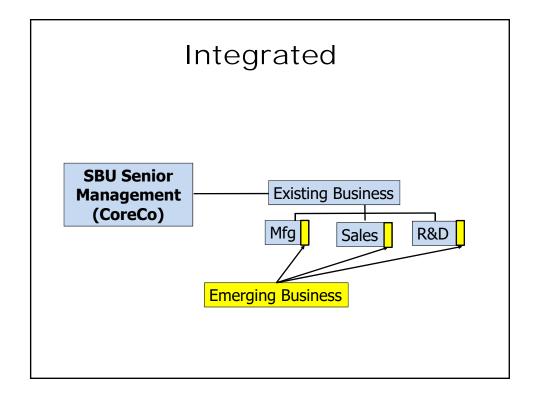
Most large companies do not use the correct organizational structure for managing transformational innovations



Corning Microarray Technologies (Circa 1998)



Field of Genomics is exploding. Anticipated that it would be multibillion market in 10 years Glass slide with thousands of DNA samples attached to it with a special adhesive coating



Researchers "print" their own in a time consuming and costly process

Corning has all of the competencies necessary to succeed

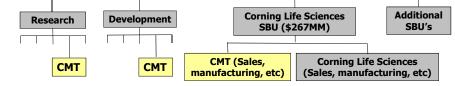


Value Proposition: Corning would mass produce reliable microarrays at a low cost. Projected revenues in 5 years at \$250 million.

Trimble, Chris and Guatum Belluer, "Corning Microarray Technologies," Tuck School of Business at Dartmouth, Case 3 Number 2-0020, April 2003.

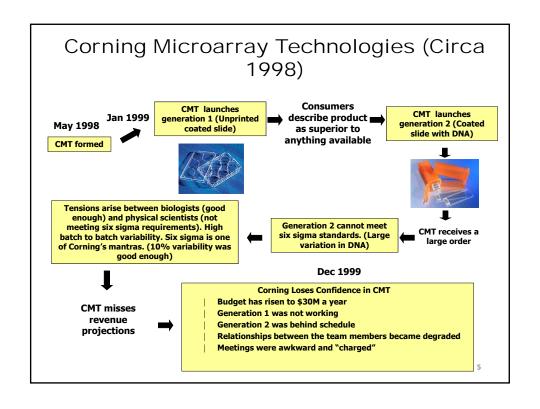
Corning Microarray Technologies (Circa 1998)

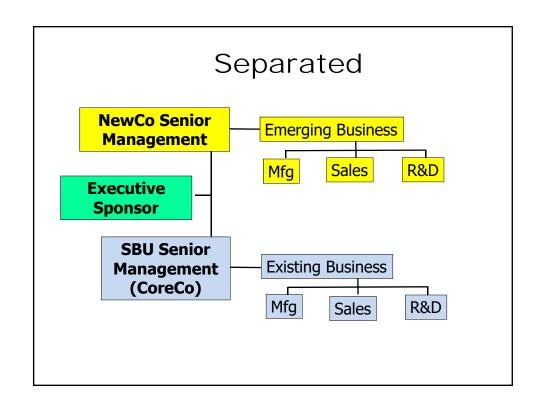
Corning Technologies (\$1,726MM)



- Leadership was shared by three managers a research head, a development head and a business unit head.
- Each reported to a different manager.
- · Typical arrangement used for sustaining product development efforts.

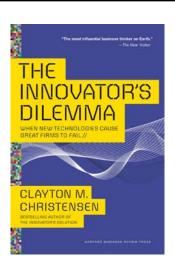
4











-Disruptive Technologies-

Disruptive Innovations



Separated

Useful for disruptive innovations with low synergy with existing businesses models and require long financial runway

Markides, Constantinos and Constantinos Charitou. "Competing with dual business models: A contingency approach," Academy of Management Executive, 2004, Vol 18 (3), pg. 22 – 36.









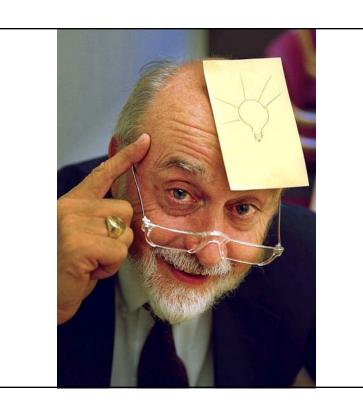




Nespresso

- Began development in 1974
- Launched in 1987 in Italy and Switzerland into the office sector
 - Sales targets for both machines and capsules were behind targets
- Relaunched in 1989 but targeted at the household market
- One of the fastest growing businesses in the Nestle group
- Average growth of 30%/year since 2000
- In 2011 sales where \$3.9 billion

17



18

Post-it Note

- 1968 Spence Silver develops low tack adhesive
- 1974 Art Fry uses idea to develop book marks for hymnbooks
- 1977 "Press n Peel" launched in four cities results were disappointing
- 1978 relaunched as free samples to consumers

 with 94 percent indicating that they would
 purchase
- · Roll out began in 1979

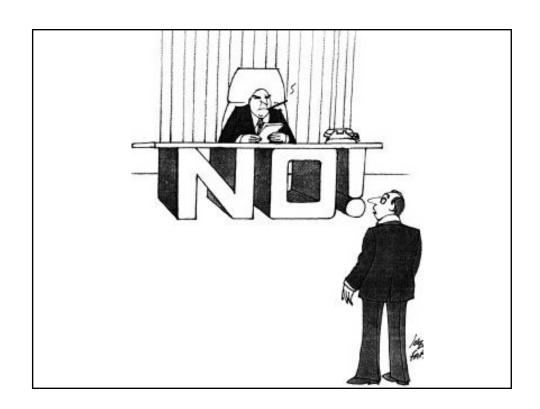
19

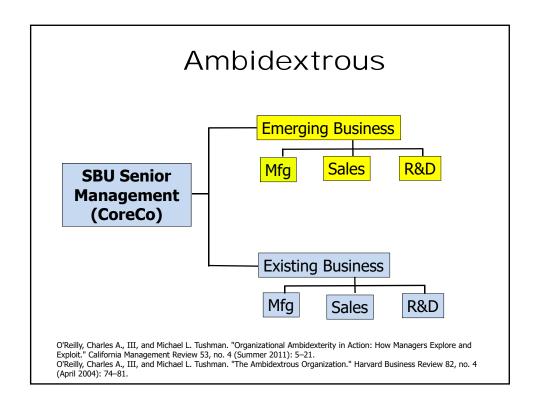


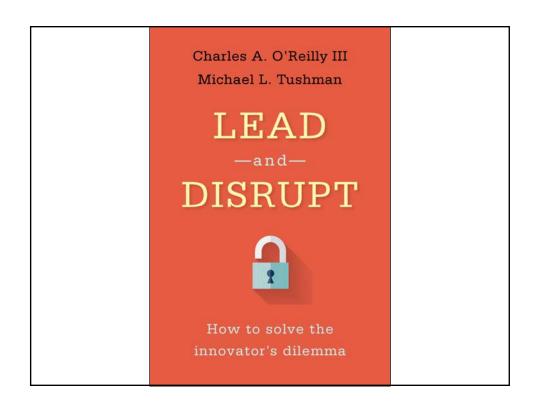












Why do successful businesses fail?

https://www.youtube.com/watch?v=K0PKrECNSVE



Ambidextrous organizations are 90% more effective in developing transformational innovations than either integrated or separated

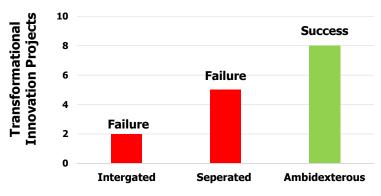
O'Reilly, Charles A., III, and Michael L. Tushman. "Organizational Ambidexterity in Action: How Managers Explore and Exploit." California Management Review 53, no. 4 (Summer 2011): 5–21.

Evidence

**... the preponderance of evidence shows a clear pattern: Ambidexterity has been shown to be positively associated with sales growth (Auh & Menguc, 2005; Caspin-Wagner, Ellis, & Tishler, 2012; Geerts, Blindenbach-Driessen, & Gemmel, 2010; Han & Celly, 2008; He & Wong, 2004; Lee, Lee, & Lee, 2003; Nobeoka & Cusumano, 1998; Venkatraman, Lee, & Iyer, 2006; Zhiang, Yang, & Demirkan, 2007), subjective ratings of performance (Bierly & Daly, 2007; Burton, O'Reilly, & Bidwell, 2012; Cao, Gedajlovic, & Zhang, 2009; Gibson & Birkinshaw, 2004; Lubatkin, Simsek, Ling, & Veiga, 2006; Markides & Charitou, 2004; Masini, Zollo, & van Wassenhove, 2004; Schulze, Heinemann, & Abedin, 2008), innovation (Adler, Goldoftas, & Levine, 1999; Burgers, Jansen, Van den Bosch, & Volberda, 2009; Eisenhardt & Tabrizi, 1995; Katila & Ahuja, 2002; McGrath, 2001; Phene, Tallman, & Almeida, 2012; Rothaermel & Alexandre, 2009; Rothaermel & Deeds, 2004; Sarkees & Bulland, 2009; Tushman, Smith, Wood, Westerman, & O'Reilly, 2010; Yang & Atuahene-Gima, 2007), market valuation as measured by Tobin's Q (Goosen, Bazzazian, & Phelps, 2012; Uotila, Maula, Keil, & Zhara, 2008; Wang & Li, 2008), and firm survival (Cottrell & Nault, 2004; Hensmans & Johnson, 2007; Hill & Birkinshaw, 2012; Kauppila, 2010; Laplume & Dass, 2012; Mitchell & Singh, 1993; Piao, 2010; Tempelaar & Van de Vrande, 2012; Yu & Khessina, 2012)."

O'Reilly, Charles and Tushman, Michael, "Organizational Ambidexterity: Past, Present and Future," Academy of Management Perspectives, 2013 27 (4); page 325

Case Studies from 15 companies managing transformational innovations



O'Reilly, Charles A., III, and Michael L. Tushman. "Organizational Ambidexterity in Action: How Managers Explore and Exploit." California Management Review 53, no. 4 (Summer 2011): 5–21.

IBM Life Sciences



Started with 2 people in 2000 and was a \$5 billion business in 2006

Cisco Telepresence



Started in October 2006 had revenue of \$200 million in 2009 and \$997 million in 2012

Ciba Vision





What can business leaders do to ensure their company's continued success?

https://www.youtube.com/watch?v=K0PKrECNSVE

Conditions for an Ambidextrous Organization

- Strategic synergy between the existing and emerging business units
- Senior team that owns both the exiting and emerging business units
- Separate organizational architectures (i.e. business models, structures, incentives, metrics and cultures) between the existing and emerging business units
- Ability of senior leadership to tolerate and resolve tensions between the two units

O'Reilly, Charles A., III, and Michael L. Tushman. "Organizational Ambidexterity in Action: How Managers Explore and Exploit." California Management Review 53, no. 4 (Summer 2011): 5–21.