

**ECOLOGICAL  
FACTORS**

- Increased availability
- Increased accessibility

**CLASSICAL AND  
OPERANT  
CONDITIONING**

Arousal/excitement

- Subjective excitement
- Physiological arousal

Cognitive schemas

- Irrational beliefs
- Illusion of control

**HABITUATION**

- Pattern of habitual gambling established

**CHASING**

- Chasing wins, losses
- Losing more than expected

**PROBLEM AND  
PATHOLOGICAL  
GAMBLING**

## ECOLOGICAL FACTORS

- Increased availability
- Increased accessibility

### Pathway 2

## EMOTIONAL VULNERABILITY

- Childhood disturbance
- Personality
  - Risk taking
  - Boredom proneness
- Mood disturbance
  - Depression
  - Anxiety
- Poor coping/problem-solving
  - Life stresses
  - Substance use

## BIOLOGICAL VULNERABILITY

### Biochemical

- Serotonergic
- Noradrenergic
- Dopaminergic

### Cortical

- EEG differentials

## CLASSICAL AND OPERANT CONDITIONING

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### Cognitive schemas

- Irrational beliefs
- Illusion of control
- Biased evaluation
- Gambler's fallacy

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## IMPULSIVIST TRAITS

- Neuropsychological
  - ADHD
  - Impulsivity
- Anti-social behaviour
- Substance abuse

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